

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 14:57:26 ON 21 JUN 2006

=> FIL STNGUIDE

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'STNGUIDE' ENTERED AT 14:57:42 ON 21 JUN 2006

USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT

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AND TECHNOLOGY CORPORATION, AND FACHINFORMATIONSZENTRUM KARLSRUHE

FILE CONTAINS CURRENT INFORMATION.

LAST RELOADED: Jun 16, 2006 (20060616/UP).

=> file pnttext

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.06

0.27

FILE 'EPFULL' ENTERED AT 14:57:52 ON 21 JUN 2006

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FILE 'PATDPAFULL' ENTERED AT 14:57:52 ON 21 JUN 2006

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FILE 'PCTFULL' ENTERED AT 14:57:52 ON 21 JUN 2006

COPYRIGHT (C) 2006 Univentio

FILE 'RDISCLOSURE' ENTERED AT 14:57:52 ON 21 JUN 2006

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FILE 'USPATFULL' ENTERED AT 14:57:52 ON 21 JUN 2006

CA INDEXING COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 14:57:52 ON 21 JUN 2006

CA INDEXING COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

=> s polythiol# and (dithioacetal# or dithioketal#) and (isocyanat? or isothiocyanat?)

L1 17 POLYTHIOL# AND (DITHIOACETAL# OR DITHIOKETAL#) AND (ISOCYANAT?
OR ISOTHIOCYANAT?)

=> s l1 and high refractive index

L2 15 L1 AND HIGH REFRACTIVE INDEX

=> d l2 1-15

L2 ANSWER 1 OF 15 EPFULL COPYRIGHT 2006 EPO/FIZ KA on STN

AN 2003:44079 EPFULL

DUPD 20040102 DUPW 200401

TIEN THIOURETHANE-BASED OPTICAL MATERIAL.

TIFR MATERIAU OPTIQUE A BASE DE THIO-URETHANE.

IN TANAKA, Mamoru c/o Mitsui Chemicals, Inc., 30, Asamuta, Omuta-shi,

Fukuoka 836-8610, JP;

KUMA, Shigetoshi c/o Mitsui Chemicals, Inc., 30, Asamuta, Omuta-shi,

Fukuoka 836-8610, JP;

FUNAYA, Munehito c/o Mitsui Chemicals, Inc., 580-32, Nagaura,

Sodegaura-shi, Chiba 299-0265, JP;

KOBAYASHI, Seiichi c/o Mitsui Chemicals, Inc., 30, Asamuta, Omuta-shi,

Fukuoka 836-8610, JP

PA Mitsui Chemicals, Inc., 2-5, Kasumigaseki 3-chome, Chiyoda-ku, Tokyo
100-6070, JP
PAN 213645
DT Patent
LAF Japanese
LA English
LAP English
TL English; French
PIT WOA1 International application published with search report
PI WO 2003089488 A1 20031030
DS AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL
EXTENSION STATES: AL LT LV MK
AI EP 2003-723124 A 20030416
WO 2003-JP4816 A 20030416
PRAI JP 2002-117531 A 20020419
IC.VER 7
ICM C08G018-38
ICS C07D339-00; C07D339-08; G02B001-04

AN 2003:44079 EPFULL ED 20050209 UP 20050209
DUPD 20050209 DUPW 200506

TIEN THIOURETHANE-BASED OPTICAL MATERIAL.

TIFR MATERIAU OPTIQUE A BASE DE THIO-URETHANE.

TIDE OPTISCHES MATERIAL AUF THIOURETHAN-BASIS.

IN TANAKA, Mamoru c/o Mitsui Chemicals, Inc., 30, Asamuta, Omuta-shi,
Fukuoka 836-8610, JP;
KUMA, Shigetoshi c/o Mitsui Chemicals, Inc., 30, Asamuta, Omuta-shi,
Fukuoka 836-8610, JP;
FUNAYA, Munehito c/o Mitsui Chemicals, Inc., 580-32, Nagaura,
Sodegaura-shi, Chiba 299-0265, JP;
KOBAYASHI, Seiichi c/o Mitsui Chemicals, Inc., 30, Asamuta, Omuta-shi,
Fukuoka 836-8610, JP

PA Mitsui Chemicals, Inc., 5-2, Higashi-Shimbashi 1-chome, Minato-ku, Tokyo
105-7117, JP

PAN 213649

AG Paget, Hugh Charles Edward, et al, Mewburn Ellis LLP York House 23
Kingsway, London WC2B 6HP, GB

AGN 34621

DT Patent

LAF Japanese

LA English

LAP English

TL German; English; French

PIT EPA1 Application published with search report

PI EP 1505094 A1 20050209

WO 2003089488 20031030

DS AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE
SI SK TR

EXTENSION STATES: AL LT LV MK

AI EP 2003-723124 A 20030416

WO 2003-JP4816 A 20030416

PRAI JP 2002-117531 A 20020419

IC.VER 7

ICM C08G018-38

ICS C07D339-00; C07D339-08; G02B001-04

L2 ANSWER 2 OF 15 EPFULL COPYRIGHT 2006 EPO/FIZ KA on STN

AN 2001:13938 EPFULL
DUPD 20041201 DUPW 200449

TIEN **Polythiol**, polymerizable composition, resin and lens, and
process for preparing thiol compound.

TIFR **Polythiol**, composition polymerizable, resine et lentille, et
procede de preparation du **polythiol**.

TIDE **Polythiol**, polymerisierbare Zusammensetzung, Harz und Linse
und Verfahren zur Herstellung der Thiolverbindung.

IN Tanaka, Mamoru, c/o Mitsui Chemicals, Inc., 30, Asamutacho, Omuta-shi,
Fukuoka, JP;
Kuma, Shigetoshi, c/o Mitsui Chemicals, Inc., 30, Asamutacho, Omuta-shi,

Fukuoka, JP;
 Kobayashi, Seiichi, c/o Mitsui Chemicals, Inc., 30, Asamutacho,
 Omuta-shi, Fukuoka, JP;
 Kanemura, Yoshinobu, c/o Mitsui Chemicals, Inc., 30, Asamutacho,
 Omuta-shi, Fukuoka, JP
 PA MITSUI CHEMICALS, INC., 5-2, Higashi-Shimbashi 1-Chome Minato-ku, Tokyo,
 JP
 PAN 5013870
 AG Stuart, Ian Alexander, et al, Mewburn Ellis LLP York House 23 Kingsway,
 London WC2B 6HP, GB
 AGN 50492
 DT Patent
 LAF English
 LA English
 LAP English
 TL German; English; French
 PIT EPA1 Application published with search report
 PI EP 1138670 A1 20011004
 DS DE FR GB IT
 AI EP 2001-302783 A 20010326
 PRAI JP 2000-86434 A 20000327
 JP 2000-86436 A 20000327
 IC.VER 7
 ICM C07C323-64
 ICS C08G075-04; C08G018-38; G02B001-04; C07C321-04; C07C321-14; C07C319-20;
 C07C319-22; C08G059-66
 AN 2001:13938 EPFULL ED 20050525 UP 20060518
 DUPD 20060517 DUPW 200620
 TIEN **Polythiol**, polymerizable composition, resin and lens, and
 process for preparing thiol compound.
 TIFR **Polythiol**, composition polymerizable, resine et lentille, et
 procede de preparation du **polythiol**.
 TIDE **Polythiol**, polymerisierbare Zusammensetzung, Harz und Linse
 und Verfahren zur Herstellung der Thiolverbindung.
 IN Tanaka, Mamoru, c/o Mitsui Chemicals, Inc.,30, Asamutacho,
 Omuta-shi,Fukuoka, JP;
 Kuma, Shigetoshi, c/o Mitsui Chemicals, Inc.,30, Asamutacho,
 Omuta-shi,Fukuoka, JP;
 Kobayashi, Seiichi, c/o Mitsui Chemicals, Inc.,30, Asamutacho,
 Omuta-shi,Fukuoka, JP;
 Kanemura, Yoshinobu, c/o Mitsui Chemicals, Inc.,30, Asamutacho,
 Omuta-shi,Fukuoka, JP
 PA Mitsui Chemicals, Inc., 5-2, Higashi-Shimbashi 1-Chome Minato-ku, Tokyo,
 JP
 PAN 5013870
 AG Stuart, Ian Alexander, et al, Mewburn Ellis LLP York House 23 Kingsway,
 London WC2B 6HP, GB
 AGN 50492
 DT Patent
 LAF English
 LA English
 LAP English
 TL German; English; French
 PIT EPB1 Granted patent
 PI EP 1138670 B1 20050525
 DS DE FR GB IT
 AI EP 2001-302783 A 20010326
 PRAI JP 2000-86434 A 20000327
 JP 2000-86436 A 20000327
 REN DATABASE CHEMABS [Online] CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO,
 US; stn, CAPLUS 1997:195473, XP002171287 & JP 09 005679 A 10 January
 1997 (1997-01-10)
 REP GB 1155431 A
 US 3374206 A
 US 3716588 A
 US 3718700 A
 US 5369141 A
 IPCI C07C0323-64 [I,A]; C08G0075-04 [I,A]; C08G0018-38 [I,A]; G02B0001-04

[I,A]; C07C0321-04 [I,A]; C07C0321-14 [I,A]; C07C0319-20 [I,A];
C07C0319-22 [I,A]; C08G0059-66 [I,A]
C07C0323-00 [I,C*]; C08G0075-00 [I,C*]; C08G0018-00 [I,C*]; G02B0001-04
[I,C*]; C07C0321-00 [I,C*]; C07C0321-00 [I,C*]; C07C0319-00 [I,C*];
C07C0319-00 [I,C*]; C08G0059-00 [I,C*]

L2 ANSWER 3 OF 15 EPFULL COPYRIGHT 2006 EPO/FIZ KA on STN

AN 1997:16740 EPFULL
DUPD 20010110 DUPW 200102
TIEN Thiol and sulfur-containing o-(meth)acrylate compounds and use thereof.
TIFR Composes d'O-(meth)acrylate contenant un groupe thiol ou du soufre et
leur utilisation.
TIDE Thiol und Schwefel enthaltende O-(Meth)Acrylat-Verbindungen und deren
Anwendung.
IN Kobayashi, Seiichi, 2882-2-47, Iijimacho, Sakae-ku, Yokohama-shi,
Kanagawa, JP;
Kawauchi, Nobuya, 1-2-3-401, Higashiyukigaya, Ohta-ku, Tokyo, JP;
Suzuki, Toshiyuki, 3-42-7, Hirado, Totsuka-ku, Yokohama-shi, Kanagawa,
JP;
Imai, Masao, 4-18-3-201, Seya, Seya-ku, Yokohama-shi, Kanagawa, JP;
Fujii, Kenichi, 2882-4-41, Iijimacho, Sakae-ku, Yokohama-shi, Kanagawa,
JP
PA Mitsui Chemicals, Inc., 2-5, Kasumigaseki 3-chome, Chiyoda-ku, Tokyo
100, JP
PAN 2402680
AG Stuart, Ian Alexander, et al, MEWBURN ELLIS York House 23 Kingsway,
London WC2B 6HP, GB
AGN 50492
DT Patent
LAF English
LA English
LAP English
TL English; French
PIT EPA2 Application published without search report
PI EP 810210 A2 19971203
EP 810210 A3 19981209
DS DE FR GB IT
AI EP 1997-303553 A 19970523
PRAI JP 1996-135515 A 19960529
JP 1996-136504 A 19960530
IC.VER 7
ICM C07C323-12
ICS C08F020-38; G02B001-04

AN 1997:16740 EPFULL
DUPD 19981209 DUPW 199850
TIEN Thiol and sulfur-containing o-(meth)acrylate compounds and use thereof.
TIFR Composes d'O-(meth)acrylate contenant un groupe thiol ou du soufre et
leur utilisation.
TIDE Thiol- und Schwefelenthaltende O-(Meth)Acrylat-Verbindungen und deren
Anwendung.
IN Kobayashi, Seiichi, 2882-2-47, Iijimacho, Sakae-ku, Yokohama-shi,
Kanagawa, JP;
Kawauchi, Nobuya, 1-2-3-401, Higashiyukigaya, Ohta-ku, Tokyo, JP;
Suzuki, Toshiyuki, 3-42-7, Hirado, Totsuka-ku, Yokohama-shi, Kanagawa,
JP;
Imai, Masao, 4-18-3-201, Seya, Seya-ku, Yokohama-shi, Kanagawa, JP;
Fujii, Kenichi, 2882-4-41, Iijimacho, Sakae-ku, Yokohama-shi, Kanagawa,
JP
PA Mitsui Chemicals, Inc., 2-5, Kasumigaseki 3-chome, Chiyoda-ku, Tokyo
100, JP
PAN 2402680
AG Stuart, Ian Alexander, et al, MEWBURN ELLIS York House 23 Kingsway,
London WC2B 6HP, GB
AGN 50492
DT Patent
LAF English
LA English

LAP English
 TL German; English; French
 PIT EPA3 Separate publication of search report
 PI EP 810210 A3 19981209
 DS DE FR GB IT
 AI EP 1997-303553 A 19970523
 PRAI JP 1996-135515 A 19960529
 JP 1996-136504 A 19960530
 IC.VER 6
 ICM C07C323-12
 ICS C08F020-38; G02B001-04
 AN 1997:16740 EPFULL
 DUPD 20020102 DUPW 200201
 TIEN Thiol and sulfur-containing o-(meth)acrylate compounds and use thereof.
 TIFR Composes d'O-(meth)acrylate contenant un groupe thiol ou du soufre et leur utilisation.
 TIDE Thiol und Schwefel enthaltende O-(Meth)Acrylat-Verbindungen und deren Anwendung.
 IN Kobayashi, Seiichi, 2882-2-47, Iijimacho, Sakae-ku, Yokohama-shi, Kanagawa, JP;
 Kawauchi, Nobuya, 1-2-3-401, Higashiyukigaya, Ohta-ku, Tokyo, JP;
 Suzuki, Toshiyuki, 3-42-7, Hirado, Totsuka-ku, Yokohama-shi, Kanagawa, JP;
 Imai, Masao, 4-18-3-201, Seya, Seya-ku, Yokohama-shi, Kanagawa, JP;
 Fujii, Kenichi, 2882-4-41, Iijimacho, Sakae-ku, Yokohama-shi, Kanagawa, JP
 PA Mitsui Chemicals, Inc., 2-5, Kasumigaseki 3-chome, Chiyoda-ku, Tokyo 100, JP
 PAN 2402680
 AG Stuart, Ian Alexander, et al, MEWBURN ELLIS York House 23 Kingsway, London WC2B 6HP, GB
 AGN 50492
 DT Patent
 LAF English
 LA English
 LAP English
 TL German; English; French
 PIT EPB1 Granted patent
 PI EP 810210 B1 20010110
 DS DE FR GB IT
 AI EP 1997-303553 A 19970523
 PRAI JP 1996-135515 A 19960529
 JP 1996-136504 A 19960530
 REN PATENT ABSTRACTS OF JAPAN vol. 015, no. 496 (C-0894), 16 December 1991 & JP 03 217412 A (MITSUBISHI PETROCHEMICAL), 25 September 1991
 REP EP 336361 A
 EP 524477 A
 US 4810812 A
 US 4939218 A
 IC.VER 7
 ICM C07C323-12
 ICS C08F020-38; G02B001-04
 L2 ANSWER 4 OF 15 USPATFULL on STN
 AN 2005:152289 USPATFULL
 TI Thiourethane-based optical material
 IN Tanaka, Mamoru, Omuta-shi, JAPAN
 Kuma, Shigetoshi, Omuta-shi, JAPAN
 Funaya, Munehito, Sodegaura-shi, JAPAN
 Kobayashi, Seiichi, Omuta-shi, JAPAN
 PA Mitsui Chemicals, INC., Minato-ku Tokyo, JAPAN, 105-7117 (non-U.S. corporation)
 PI US 2005131203 A1 20050616
 AI US 2003-509765 A1 20031212 (10)
 WO 2003-JP4816 20031212
 PRAI JP 2002-117531 20020419
 DT Utility
 FS APPLICATION

LN.CNT 1281
INCL INCLM: 528/373.000
NCL NCLM: 528/373.000
IC [7]
ICM C08G075-00
IPCI C08G0075-00 [ICM,7]
IPCR C08G0018-00 [I,C*]; C08G0018-38 [I,A]; C08G0018-76 [I,A];
G02B0001-04 [I,A]; G02B0001-04 [I,C*]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 5 OF 15 USPATFULL on STN
AN 2003:283324 USPATFULL
TI Process for preparing a thiol compound
IN Tanaka, Mamoru, Fukuoka, JAPAN
Kuma, Shigetoshi, Fukuoka, JAPAN
Kobayashi, Seiichi, Fukuoka, JAPAN
Kanemura, Yoshinobu, Fukuoka, JAPAN
PA Mitsui Chemicals, Inc., Tokyo, JAPAN (non-U.S. corporation)
PI US 2003199668 A1 20031023
US 6770735 B2 20040803
AI US 2003-455729 A1 20030606 (10)
RLI Division of Ser. No. US 2001-817161, filed on 27 Mar 2001, GRANTED, Pat.
No. US 6596841
PRAI JP 2000-86434 20000327
JP 2000-86436 20000327

DT Utility
FS APPLICATION

LN.CNT 1458
INCL INCLM: 528/374.000
NCL NCLM: 528/374.000
NCLS: 351/159.000; 528/373.000
IC [7]
ICM C08G075-04
IPCI C08G0075-04 [ICM,7]; C08G0075-00 [ICM,7,C*]
IPCI-2 C08G0075-04 [ICM,7]; C08G0075-00 [ICM,7,C*]
IPCR C07C0321-00 [I,C*]; C07C0321-14 [I,A]; C08G0018-00 [I,C*];
C08G0018-28 [I,A]; C08G0018-38 [I,A]; C08G0018-77 [I,A];
C08G0059-00 [I,C*]; C08G0059-66 [I,A]; C08G0075-00 [I,C*];
C08G0075-04 [I,A]; C08L0081-00 [I,C*]; C08L0081-02 [I,A];
G02B0001-04 [I,A]; G02B0001-04 [I,C*]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 6 OF 15 USPATFULL on STN
AN 2003:214587 USPATFULL
TI Polythiol compound
IN Tanaka, Mamoru, Omuta-shi, JAPAN
Kuma, Shigetoshi, Omuta-shi, JAPAN
Kobayashi, Seiichi, Omuta-shi, JAPAN
Kanemura, Yoshinobu, Omuta-shi, JAPAN
PA Mitsui Chemicals, Inc., Tokyo, JAPAN (non-U.S. corporation)
PI US 2003149230 A1 20030807
US 6770734 B2 20040803
AI US 2002-316180 A1 20021211 (10)
RLI Continuation-in-part of Ser. No. US 2001-817161, filed on 27 Mar 2001,
PENDING
PRAI JP 2000-86434 20000327
JP 2000-86436 20000327

DT Utility
FS APPLICATION

LN.CNT 1210
INCL INCLM: 528/374.000
NCL NCLM: 528/374.000
NCLS: 528/373.000
IC [7]
ICM C08G075-04
IPCI C08G0075-04 [ICM,7]; C08G0075-00 [ICM,7,C*]
IPCI-2 C08G0075-04 [ICM,7]; C08G0075-00 [ICM,7,C*]
IPCR C07C0321-00 [I,C*]; C07C0321-14 [I,A]; C08G0018-00 [I,C*];
C08G0018-28 [I,A]; C08G0018-38 [I,A]; C08G0018-77 [I,A];

C08G0059-00 [I,C*]; C08G0059-66 [I,A]; C08G0075-00 [I,C*];
C08G0075-04 [I,A]; C08L0081-00 [I,C*]; C08L0081-02 [I,A];
G02B0001-04 [I,A]; G02B0001-04 [I,C*]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 7 OF 15 USPATFULL on STN
AN 2002:37993 USPATFULL
TI Polythiol, polymerizable composition, resin and lens, and
process for preparing thiol compound
IN Tanaka, Mamoru, Fukuoka, JAPAN
Kuma, Shigetoshi, Fukuoka, JAPAN
Kobayashi, Seiichi, Fukuoka, JAPAN
Kanemura, Yoshinobu, Fukuoka, JAPAN
PI US 2002022713 A1 20020221
US 6596841 B2 20030722
AI US 2001-817161 A1 20010327 (9)
PRAI JP 2000-86434 20000327
JP 2000-86436 20000327
DT Utility
FS APPLICATION
LN.CNT 1458
INCL INCLM: 528/374.000
INCLS: 528/373.000; 351/159.000; 359/642.000
NCL NCLM: 528/374.000
NCLS: 351/159.000; 528/373.000; 359/642.000
IC [7]
ICM C08G075-04
IPCI C08G0075-04 [ICM,7]; C08G0075-00 [ICM,7,C*]
IPCI-2 C08G0075-04 [ICM,7]; C08G0075-00 [ICM,7,C*]
IPCR C07C0321-00 [I,C*]; C07C0321-14 [I,A]; C08G0018-00 [I,C*];
C08G0018-28 [I,A]; C08G0018-38 [I,A]; C08G0018-77 [I,A];
C08G0059-00 [I,C*]; C08G0059-66 [I,A]; C08G0075-00 [I,C*];
C08G0075-04 [I,A]; C08L0081-00 [I,C*]; C08L0081-02 [I,A];
G02B0001-04 [I,A]; G02B0001-04 [I,C*]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 8 OF 15 USPATFULL on STN
AN 2001:212558 USPATFULL
TI Thiol and sulfur-containing O-(meth)acrylate compounds and use thereof
IN Kobayashi, Seiichi, Kanagawa, Japan
Kawauchi, Nobuya, Tokyo, Japan
Suzuki, Toshiyuki, Kanagawa, Japan
Imai, Masao, Kanagawa, Japan
Fujii, Kenichi, Kanagawa, Japan
PI US 2001044555 A1 20011122
US 6369269 B2 20020409
AI US 2001-862708 A1 20010523 (9)
RLI Division of Ser. No. US 2000-590015, filed on 9 Jun 2000, GRANTED, Pat.
No. US 6265510 Division of Ser. No. US 1998-157985, filed on 22 Sep
1998, GRANTED, Pat. No. US 6114485 Division of Ser. No. US 1997-861024,
filed on 21 May 1997, GRANTED, Pat. No. US 5916987
PRAI JP 1996-135515 19960529
JP 1996-136504 19960530
DT Utility
FS APPLICATION
LN.CNT 852
INCL INCLM: 560/222.000
NCL NCLM: 560/226.000; 560/222.000
IC [7]
ICM C08F228-02
ICS C07C069-52
IPCI C08F0228-02 [ICM,7]; C08F0228-00 [ICM,7,C*]; C07C0069-52 [ICS,7];
C07C0069-00 [ICS,7,C*]
IPCI-2 C07C0069-63 [ICM,7]; C07C0069-00 [ICM,7,C*]
IPCR C07C0323-00 [I,C*]; C07C0323-12 [I,A]; C07C0327-00 [I,C*];
C07C0327-28 [I,A]; C07C0333-00 [I,C*]; C07C0333-04 [I,A];
C07D0333-00 [I,C*]; C07D0333-22 [I,A]; C08F0020-00 [I,C*];
C08F0020-38 [I,A]; G02B0001-04 [I,A]; G02B0001-04 [I,C*]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 9 OF 15 USPATFULL on STN
 AN 2001:117115 USPATFULL
 TI Thiol and sulfur-containing O-(meth)acrylate compounds and use thereof
 IN Kobayashi, Seiichi, Kanagawa, Japan
 Kawauchi, Nobuya, Tokyo, Japan
 Suzuki, Toshiyuki, Kanagawa, Japan
 Imai, Masao, Kanagawa, Japan
 Fujii, Kenichi, Kanagawa, Japan
 PA Mitsui Chemicals, Inc., Japan (non-U.S. corporation)
 PI US 6265510 B1 20010724
 AI US 2000-590015 20000609 (9)
 RLI Division of Ser. No. US 1998-157985, filed on 22 Sep 1998, now patented,
 Pat. No. US 6114485 Division of Ser. No. US 1997-861024, filed on 21 May
 1997, now patented, Pat. No. US 5916987
 PRAI JP 1996-136504 19960530
 JP 1996-135515 19960529
 DT Utility
 FS GRANTED
 LN.CNT 824
 INCL INCLM: 526/288.000
 INCLS: 526/318.440; 523/106.000; 351/159.000; 424/429.000; 264/001.320;
 264/001.800
 NCL NCLM: 526/288.000
 NCLS: 264/001.320; 264/001.800; 351/159.000; 424/429.000; 523/106.000;
 526/318.440
 IC [7]
 ICM C08F126-02
 ICS C08F128-02; C08F226-02; C08F228-02; G02C007-02
 IPCI C08F0126-02 [ICM,7]; C08F0126-00 [ICM,7,C*]; C08F0128-02 [ICS,7];
 C08F0128-00 [ICS,7,C*]; C08F0226-02 [ICS,7]; C08F0226-00
 [ICS,7,C*]; C08F0228-02 [ICS,7]; C08F0228-00 [ICS,7,C*];
 G02C0007-02 [ICS,7]
 IPCR C07C0323-00 [I,C*]; C07C0323-12 [I,A]; C07C0327-00 [I,C*];
 C07C0327-28 [I,A]; C07C0333-00 [I,C*]; C07C0333-04 [I,A];
 C07D0333-00 [I,C*]; C07D0333-22 [I,A]; C08F0020-00 [I,C*];
 C08F0020-38 [I,A]; G02B0001-04 [I,A]; G02B0001-04 [I,C*]
 EXF 526/288; 526/318.44; 523/106; 424/429; 351/159; 264/1.32; 264/1.8
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 10 OF 15 USPATFULL on STN
 AN 2000:117866 USPATFULL
 TI Thiol and sulfur-containing O-(meth)acrylate compounds and use thereof
 IN Kobayashi, Seiichi, Kanagawa, Japan
 Kawauchi, Nobuya, Tokyo, Japan
 Suzuki, Toshiyuki, Kanagawa, Japan
 Imai, Masao, Kanagawa, Japan
 Fujii, Kenichi, Kanagawa, Japan
 PA Mitsui Chemicals, Inc., Japan (non-U.S. corporation)
 PI US 6114485 20000905
 AI US 1998-157985 19980922 (9)
 RLI Division of Ser. No. US 1997-861024, filed on 21 May 1997, now patented,
 Pat. No. US 5916987
 PRAI JP 1996-136504 19960530
 JP 1996-135515 19960529
 DT Utility
 FS Granted
 LN.CNT 828
 INCL INCLM: 526/289.000
 INCLS: 351/159.000; 558/251.000
 NCL NCLM: 526/289.000
 NCLS: 351/159.000; 558/251.000
 IC [7]
 ICM C08F022-24
 ICS C07C327-00; G02C007-02
 IPCI C08F0022-24 [ICM,7]; C08F0022-00 [ICM,7,C*]; C07C0327-00 [ICS,7];
 G02C0007-02 [ICS,7]
 IPCR G02B0001-04 [I,A]; G02B0001-04 [I,C*]
 EXF 526/289; 558/251; 359/321; 359/577; 351/159

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 11 OF 15 USPATFULL on STN
AN 1999:72679 USPATFULL
TI Thiol and Sulfur-containing O-(meth) acrylate compounds and use thereof
IN Kobayashi, Seiichi, Kanagawa, Japan
Kawauchi, Nobuya, Tokyo, Japan
Suzuki, Toshiyuki, Kanagawa, Japan
Imai, Masao, Kanagawa, Japan
Fujii, Kenichi, Kanagawa, Japan
PA Mitsui Chemicals, Inc., Tokyo, Japan (non-U.S. corporation)
PI US 5916987 19990629
AI US 1997-861024 19970521 (8)
PRAI JP 1996-136504 19960530
JP 1996-135515 19960529
DT Utility
FS Granted
LN.CNT 812
INCL INCLM: 526/289.000
INCLS: 526/256.000; 526/280.000; 526/284.000; 526/288.000; 549/079.000;
560/210.000; 560/219.000; 560/221.000
NCL NCLM: 526/289.000
NCLS: 526/256.000; 526/280.000; 526/284.000; 526/288.000; 549/079.000;
560/210.000; 560/219.000; 560/221.000
IC [6]
ICM C08F022-24
ICS C07C323-55; C07C323-56; C07D333-10
IPCI C08F0022-24 [ICM,6]; C08F0022-00 [ICM,6,C*]; C07C0323-55 [ICS,6];
C07C0323-56 [ICS,6]; C07C0323-00 [ICS,6,C*]; C07D0333-10 [ICS,6];
C07D0333-00 [ICS,6,C*]
IPCR C07C0323-00 [I,C*]; C07C0323-12 [I,A]; C07C0327-00 [I,C*];
C07C0327-28 [I,A]; C07C0333-00 [I,C*]; C07C0333-04 [I,A];
C07D0333-00 [I,C*]; C07D0333-22 [I,A]; C08F0020-00 [I,C*];
C08F0020-38 [I,A]; G02B0001-04 [I,A]; G02B0001-04 [I,C*]
EXF 526/254; 526/284; 526/289; 560/210; 560/221; 560/219; 549/79
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 12 OF 15 USPAT2 on STN
AN 2003:283324 USPAT2
TI Process for preparing a thiol compound
IN Tanaka, Mamoru, Fukuoka, JAPAN
Kuma, Shigetoshi, Fukuoka, JAPAN
Kobayashi, Seiichi, Fukuoka, JAPAN
Kanemura, Yoshinobu, Fukuoka, JAPAN
PA Mitsui Chemicals, Inc., Tokyo, JAPAN (non-U.S. corporation)
PI US 6770735 B2 20040803
AI US 2003-455729 20030606 (10)
RLI Division of Ser. No. US 2001-817161, filed on 27 Mar 2001, now patented,
Pat. No. US 6596841
PRAI JP 2000-86434 20000327
JP 2000-86436 20000327
DT Utility
FS GRANTED
LN.CNT 1330
INCL INCLM: 528/374.000
INCLS: 528/373.000; 351/159.000; 351/642.000
NCL NCLM: 528/374.000
NCLS: 351/159.000; 528/373.000
IC [7]
ICM C08G075-04
IPCI C08G0075-04 [ICM,7]; C08G0075-00 [ICM,7,C*]
IPCI-2 C08G0075-04 [ICM,7]; C08G0075-00 [ICM,7,C*]
IPCR C07C0321-00 [I,C*]; C07C0321-14 [I,A]; C08G0018-00 [I,C*];
C08G0018-28 [I,A]; C08G0018-38 [I,A]; C08G0018-77 [I,A];
C08G0059-00 [I,C*]; C08G0059-66 [I,A]; C08G0075-00 [I,C*];
C08G0075-04 [I,A]; C08L0081-00 [I,C*]; C08L0081-02 [I,A];
G02B0001-04 [I,A]; G02B0001-04 [I,C*]
EXF 528/374; 528/373; 351/159; 351/642
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 13 OF 15 USPAT2 on STN
 AN 2003:214587 USPAT2
 TI **Polythiol** compound
 IN Tanaka, Mamoru, Fukuoka, JAPAN
 Kuma, Shigetoshi, Fukuoka, JAPAN
 Kobayashi, Seiichi, Fukuoka, JAPAN
 Kanemura, Yoshinobu, Fukuoka, JAPAN
 PA Mitsui Chemicals, Inc., Tokyo, JAPAN (non-U.S. corporation)
 PI US 6770734 B2 20040803
 AI US 2002-316180 20021211 (10)
 RLI Continuation-in-part of Ser. No. US 2001-817161, filed on 27 Mar 2001,
 now patented, Pat. No. US 6596841
 PRAI JP 2000-86434 20000327
 JP 2000-86436 20000327
 DT Utility
 FS GRANTED
 LN.CNT 1188
 INCL INCLM: 528/374.000
 INCLS: 528/373.000
 NCL NCLM: 528/374.000
 NCLS: 528/373.000
 IC [7]
 ICM C08G075-04
 IPCI C08G0075-04 [ICM,7]; C08G0075-00 [ICM,7,C*]
 IPCI-2 C08G0075-04 [ICM,7]; C08G0075-00 [ICM,7,C*]
 IPCR C07C0321-00 [I,C*]; C07C0321-14 [I,A]; C08G0018-00 [I,C*];
 C08G0018-28 [I,A]; C08G0018-38 [I,A]; C08G0018-77 [I,A];
 C08G0059-00 [I,C*]; C08G0059-66 [I,A]; C08G0075-00 [I,C*];
 C08G0075-04 [I,A]; C08L0081-00 [I,C*]; C08L0081-02 [I,A];
 G02B0001-04 [I,A]; G02B0001-04 [I,C*]
 EXF 528/374; 528/373
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 14 OF 15 USPAT2 on STN
 AN 2002:37993 USPAT2
 TI **Polythiol**, polymerizable composition, resin and lens, and
 process for preparing thiol compound
 IN Tanaka, Mamoru, Fukuoka, JAPAN
 Kuma, Shigetoshi, Fukuoka, JAPAN
 Kobayashi, Seiichi, Fukuoka, JAPAN
 Kanemura, Yoshinobu, Fukuoka, JAPAN
 PA Mitsui Chemicals, Inc., Tokyo, JAPAN (non-U.S. corporation)
 PI US 6596841 B2 20030722
 AI US 2001-817161 20010327 (9)
 PRAI JP 2000-86434 20000327
 JP 2000-86436 20000327
 DT Utility
 FS GRANTED
 LN.CNT 1316
 INCL INCLM: 528/374.000
 INCLS: 528/373.000; 351/159.000; 351/642.000
 NCL NCLM: 528/374.000
 NCLS: 351/159.000; 528/373.000; 359/642.000
 IC [7]
 ICM C08G075-04
 IPCI C08G0075-04 [ICM,7]; C08G0075-00 [ICM,7,C*]
 IPCI-2 C08G0075-04 [ICM,7]; C08G0075-00 [ICM,7,C*]
 IPCR C07C0321-00 [I,C*]; C07C0321-14 [I,A]; C08G0018-00 [I,C*];
 C08G0018-28 [I,A]; C08G0018-38 [I,A]; C08G0018-77 [I,A];
 C08G0059-00 [I,C*]; C08G0059-66 [I,A]; C08G0075-00 [I,C*];
 C08G0075-04 [I,A]; C08L0081-00 [I,C*]; C08L0081-02 [I,A];
 G02B0001-04 [I,A]; G02B0001-04 [I,C*]
 EXF 528/374; 528/373; 351/159; 351/642
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 15 OF 15 USPAT2 on STN
 AN 2001:212558 USPAT2
 TI Thiol and sulfur-containing O-(meth)acrylate compounds and use thereof

IN Kobayashi, Seiichi, Kanagawa, JAPAN
 Kawauchi, Nobuya, Tokyo, JAPAN
 Suzuki, Toshiyuki, Kanagawa, JAPAN
 Imai, Masao, Kanagawa, JAPAN
 Fujii, Kenichi, Kanagawa, JAPAN
 PA Mitsui Chemicals, Inc., JAPAN (non-U.S. corporation)
 PI US 6369269 B2 20020409
 AI US 2001-862708 20010523 (9)
 RLI Division of Ser. No. US 2000-590015, filed on 9 Jun 2000 Division of
 Ser. No. US 1998-157985, filed on 22 Sep 1998, now patented, Pat. No. US
 6114485 Division of Ser. No. US 1997-861024, filed on 21 May 1997, now
 patented, Pat. No. US 5916987
 PRAI JP 1996-136504 19960530
 JP 1996-135515 19960529
 DT Utility
 FS GRANTED
 LN.CNT 753
 INCL INCLM: 560/226.000
 NCL NCLM: 560/226.000; 560/222.000
 IC [7]
 ICM C07C069-63
 IPCI C08F0228-02 [ICM,7]; C08F0228-00 [ICM,7,C*]; C07C0069-52 [ICS,7];
 C07C0069-00 [ICS,7,C*]
 IPCI-2 C07C0069-63 [ICM,7]; C07C0069-00 [ICM,7,C*]
 IPCR C07C0323-00 [I,C*]; C07C0323-12 [I,A]; C07C0327-00 [I,C*];
 C07C0327-28 [I,A]; C07C0333-00 [I,C*]; C07C0333-04 [I,A];
 C07D0333-00 [I,C*]; C07D0333-22 [I,A]; C08F0020-00 [I,C*];
 C08F0020-38 [I,A]; G02B0001-04 [I,A]; G02B0001-04 [I,C*]
 EXF 560/147; 560/220; 560/210; 560/226; 351/159; 558/251
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> s 1,1,3,3-tetrakis mercaptomethylthio propane#

4 FILES SEARCHED...

7 FILES SEARCHED...

L3 13 1,1,3,3-TETRAKIS MERCAPTOMETHYLTHIO PROPANE#

=> s 1,1,2,2-tetrakis mercaptomethylthio ethane#

4 FILES SEARCHED...

7 FILES SEARCHED...

L4 13 1,1,2,2-TETRAKIS MERCAPTOMETHYLTHIO ETHANE#

=> s 4,6-bis mercaptomethylthio 1,3-dithiane#

5 FILES SEARCHED...

L5 6 4,6-BIS MERCAPTOMETHYLTHIO 1,3-DITHIANE#

=> s 2-2,2-bis mercaptomethylthio ethyl 1,3-dithietane#

4 FILES SEARCHED...

L6 2 2-2,2-BIS MERCAPTOMETHYLTHIO ETHYL 1,3-DITHIETANE#

=> s l3 and l4 and l5 and l6

L7 2 L3 AND L4 AND L5 AND L6

=> d l7 1-2

L7 ANSWER 1 OF 2 EPFULL COPYRIGHT 2006 EPO/FIZ KA on STN

AN 2003:44079 EPFULL

DUPD 20040102 DUPW 200401

TIEN THIOURETHANE-BASED OPTICAL MATERIAL.

TIFR MATERIAU OPTIQUE A BASE DE THIO-URETHANE.

IN TANAKA, Mamoru c/o Mitsui Chemicals, Inc., 30, Asamuta, Omuta-shi,
 Fukuoka 836-8610, JP;
 KUMA, Shigetoshi c/o Mitsui Chemicals, Inc., 30, Asamuta, Omuta-shi,
 Fukuoka 836-8610, JP;
 FUNAYA, Munehito c/o Mitsui Chemicals, Inc., 580-32, Nagaura,
 Sodegaura-shi, Chiba 299-0265, JP;
 KOBAYASHI, Seiichi c/o Mitsui Chemicals, Inc., 30, Asamuta, Omuta-shi,
 Fukuoka 836-8610, JP

PA Mitsui Chemicals, Inc., 2-5, Kasumigaseki 3-chome, Chiyoda-ku, Tokyo
 100-6070, JP
 PAN 213645
 DT Patent
 LAF Japanese
 LA English
 LAP English
 TL English; French
 PIT WOA1 International application published with search report
 PI WO 2003089488 A1 20031030
 DS AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL
 EXTENSION STATES: AL LT LV MK
 AI EP 2003-723124 A 20030416
 WO 2003-JP4816 A 20030416
 PRAI JP 2002-117531 A 20020419
 IC.VER 7
 ICM C08G018-38
 ICS C07D339-00; C07D339-08; G02B001-04

AN 2003:44079 EPFULL ED 20050209 UP 20050209
 DUPD 20050209 DUPW 200506
 TIEN THIOURETHANE-BASED OPTICAL MATERIAL.
 TIFR MATERIAU OPTIQUE A BASE DE THIO-URETHANE.
 TIDE OPTISCHES MATERIAL AUF THIOURETHAN-BASIS.
 IN TANAKA, Mamoru c/o Mitsui Chemicals, Inc., 30, Asamuta, Omuta-shi,
 Fukuoka 836-8610, JP;
 KUMA, Shigetoshi c/o Mitsui Chemicals, Inc., 30, Asamuta, Omuta-shi,
 Fukuoka 836-8610, JP;
 FUNAYA, Munehito c/o Mitsui Chemicals, Inc., 580-32, Nagaura,
 Sodegaura-shi, Chiba 299-0265, JP;
 KOBAYASHI, Seiichi c/o Mitsui Chemicals, Inc., 30, Asamuta, Omuta-shi,
 Fukuoka 836-8610, JP
 PA Mitsui Chemicals, Inc., 5-2, Higashi-Shimbashi 1-chome, Minato-ku, Tokyo
 105-7117, JP
 PAN 213649
 AG Paget, Hugh Charles Edward, et al, Mewburn Ellis LLP York House 23
 Kingsway, London WC2B 6HP, GB
 AGN 34621
 DT Patent
 LAF Japanese
 LA English
 LAP English
 TL German; English; French
 PIT EPA1 Application published with search report
 PI EP 1505094 A1 20050209
 WO 2003089488 20031030
 DS AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE
 SI SK TR
 EXTENSION STATES: AL LT LV MK
 AI EP 2003-723124 A 20030416
 WO 2003-JP4816 A 20030416
 PRAI JP 2002-117531 A 20020419
 IC.VER 7
 ICM C08G018-38
 ICS C07D339-00; C07D339-08; G02B001-04

L7 ANSWER 2 OF 2 USPATFULL on STN
 AN 2005:152289 USPATFULL
 TI Thiourethane-based optical material
 IN Tanaka, Mamoru, Omuta-shi, JAPAN
 Kuma, Shigetoshi, Omuta-shi, JAPAN
 Funaya, Munehito, Sodegaura-shi, JAPAN
 Kobayashi, Seiichi, Omuta-shi, JAPAN
 PA Mitsui Chemicals, INC., Minato-ku Tokyo, JAPAN, 105-7117 (non-U.S.
 corporation)
 PI US 2005131203 A1 20050616
 AI US 2003-509765 A1 20031212 (10)
 WO 2003-JP4816 20031212
 PRAI JP 2002-117531 20020419

DT Utility
FS APPLICATION
LN.CNT 1281
INCL INCLM: 528/373.000
NCL NCLM: 528/373.000
IC [7]
ICM C08G075-00
IPCI C08G0075-00 [ICM,7]
IPCR C08G0018-00 [I,C*]; C08G0018-38 [I,A]; C08G0018-76 [I,A];
G02B0001-04 [I,A]; G02B0001-04 [I,C*]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> s 13 and 14
L8 13 L3 AND L4

=> d 18 1-13

L8 ANSWER 1 OF 13 EPFULL COPYRIGHT 2006 EPO/FIZ KA on STN

AN 2005:2430 EPFULL EDP 20050803 ED 20050803 UP 20060426
DUPD 20060426 DUPW 200617

TIEN Polarizing or photochromic plastic lens, coated sheet-like light element
and method of its production.

TIFR Lentille polarisante ou photochromique en plastique, element traite
laminaire et methode de fabrication.

TIDE Polarisierende oder phototrope Kunststofflinse, beschichtete Folie und
Methode fuer deren Produktion.

IN Kawai, Ryoze, Fuji Kasei Co., Ltd.4-2242, Mikajima, Tokorozawa
CitySaitama 359-1164, JP;
Aoki, Yoshiyuki, Fuji Kasei Co., Ltd.4-2242, Mikajima, Tokorozawa
CitySaitama 359-1164, JP;
Takakuwa, Kyohei, Fuji Kasei Co., Ltd.4-2242, Mikajima, Tokorozawa
CitySaitama 359-1164, JP;
Masumoto, Mitsuhiko, Mitsubishi Gas Chem. Co., Inc.2-5-2, Marunouchi,
Chiyoda-kuTokyo 100-8324, JP;
Hirota, ToshizumiMitsubishi Gas Chem. Co., Inc., Osaka Plant2-12,
Kamisucho, ToyonakaOsaka 561-0823, JP;
Takeuchi, MotoharuMitsubishi Gas Chem. Co., Inc., Tokyo Research
Lab.1-1, Niiyyuku 6-chome, Katsushika-kuTokyo 125-0051, JP

PA Fuji Kasei Co., Ltd., 4-2242 Mikajima, Tokorozawa-city,Saitama 359-1164,
JP;
MITSUBISHI GAS CHEMICAL COMPANY, INC., 5-2, Marunouchi 2-chome,
Chiyoda-ku,Tokyo 100-8324, JP

PAN 4864040; 287634

AG HOFFMANN EITLE, Patent- und Rechtsanwaelte Arabellastrasse 4, 81925
Muenchen, DE

AGN 101511

DT Patent

LAF English

LA English

LAP English

TL German; English; French

PIT EPA1 Application published with search report

PI EP 1560060 A1 20050803

DS DE FR GB IT

AI EP 2005-1826 A 20050128

PRAI JP 2004-25896 A 20040202
JP 2004-98840 A 20040330
JP 2004-126003 A 20040421

IPCI G02C0007-10 [I,A]; G02C0007-12 [I,A]; G02B0005-23 [I,A]; B29D0011-00
[I,A]
G02C0007-00 [I,C*]; G02C0007-00 [I,C*]; G02B0005-22 [I,C*]; B29D0011-00
[I,C*]

L8 ANSWER 2 OF 13 EPFULL COPYRIGHT 2006 EPO/FIZ KA on STN

AN 2003:44079 EPFULL
DUPD 20040102 DUPW 200401

TIEN THIOURETHANE-BASED OPTICAL MATERIAL.
 TIFR MATERIAU OPTIQUE A BASE DE THIO-URETHANE.
 IN TANAKA, Mamoru c/o Mitsui Chemicals, Inc., 30, Asamuta, Omuta-shi,
 Fukuoka 836-8610, JP;
 KUMA, Shigetoshi c/o Mitsui Chemicals, Inc., 30, Asamuta, Omuta-shi,
 Fukuoka 836-8610, JP;
 FUNAYA, Munehito c/o Mitsui Chemicals, Inc., 580-32, Nagaura,
 Sodegaura-shi, Chiba 299-0265, JP;
 KOBAYASHI, Seiichi c/o Mitsui Chemicals, Inc., 30, Asamuta, Omuta-shi,
 Fukuoka 836-8610, JP
 PA Mitsui Chemicals, Inc., 2-5, Kasumigaseki 3-chome, Chiyoda-ku, Tokyo
 100-6070, JP
 PAN 213645
 DT Patent
 LAF Japanese
 LA English
 LAP English
 TL English; French
 PIT WOA1 International application published with search report
 PI WO 2003089488 A1 20031030
 DS AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL
 EXTENSION STATES: AL LT LV MK
 AI EP 2003-723124 A 20030416
 WO 2003-JP4816 A 20030416
 PRAI JP 2002-117531 A 20020419
 IC.VER 7
 ICM C08G018-38
 ICS C07D339-00; C07D339-08; G02B001-04

AN 2003:44079 EPFULL ED 20050209 UP 20050209
 DUPD 20050209 DUPW 200506
 TIEN THIOURETHANE-BASED OPTICAL MATERIAL.
 TIFR MATERIAU OPTIQUE A BASE DE THIO-URETHANE.
 TIDE OPTISCHES MATERIAL AUF THIOURETHAN-BASIS.
 IN TANAKA, Mamoru c/o Mitsui Chemicals, Inc., 30, Asamuta, Omuta-shi,
 Fukuoka 836-8610, JP;
 KUMA, Shigetoshi c/o Mitsui Chemicals, Inc., 30, Asamuta, Omuta-shi,
 Fukuoka 836-8610, JP;
 FUNAYA, Munehito c/o Mitsui Chemicals, Inc., 580-32, Nagaura,
 Sodegaura-shi, Chiba 299-0265, JP;
 KOBAYASHI, Seiichi c/o Mitsui Chemicals, Inc., 30, Asamuta, Omuta-shi,
 Fukuoka 836-8610, JP
 PA Mitsui Chemicals, Inc., 5-2, Higashi-Shimbashi 1-chome, Minato-ku, Tokyo
 105-7117, JP
 PAN 213649
 AG Paget, Hugh Charles Edward, et al, Mewburn Ellis LLP York House 23
 Kingsway, London WC2B 6HP, GB
 AGN 34621
 DT Patent
 LAF Japanese
 LA English
 LAP English
 TL German; English; French
 PIT EPA1 Application published with search report
 PI EP 1505094 A1 20050209
 WO 2003089488 20031030
 DS AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE
 SI SK TR
 EXTENSION STATES: AL LT LV MK
 AI EP 2003-723124 A 20030416
 WO 2003-JP4816 A 20030416
 PRAI JP 2002-117531 A 20020419
 IC.VER 7
 ICM C08G018-38
 ICS C07D339-00; C07D339-08; G02B001-04

L8 ANSWER 3 OF 13 EPFULL COPYRIGHT 2006 EPO/FIZ KA on STN

AN 2003:24830 EPFULL

DUPD 20031105 DUPW 200345
 TIEN POLYMERIZABLE COMPOSITION CONTAINING NOVEL CYCLIC SULFUR COMPOUND AND
 RESIN OBTAINED BY CURING THE POLYMERIZABLE COMPOSITION.
 TIFR COMPOSITION POLYMERISABLE CONTENANT UN NOUVEAU COMPOSE DE SOUFRE
 CYCLIQUE ET RESINE OBTENUE APRES DURCISSEMENT DE LA COMPOSITION
 POLYMERISABLE.
 IN KOBAYASHI, Seiichi, c/o Mitsui Chemicals, Inc., 30, Asamuta, Omuta-shi,
 Fukuoka 836-8610, JP;
 MORIJIRI, Hiroyuki, c/o Mitsui Chemicals, Inc., 30, Asamuta, Omuta-shi,
 Fukuoka 836-8610, JP
 PA Mitsui Chemicals, Inc., 2-5, Kasumigaseki 3-chome, Chiyoda-ku, Tokyo
 100-6070, JP
 PAN 213645
 DT Patent
 LAF Japanese
 LA English
 LAP English
 TL English; French
 PIT WOA1 International application published with search report
 PI WO 2003074588 A1 20030912
 DS AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL
 EXTENSION STATES: AL LT LV MK RO
 AI EP 2003-743512 A 20030227
 WO 2003-JP2189 A 20030227
 PRAI JP 2002-55774 A 20020301
 IC.VER 7
 ICM C08G075-00
 ICS C07D331-04; C07D409-14; G02C007-02

 AN 2003:24830 EPFULL UP 20050608
 DUPD 20050608 DUPW 200523
 TIEN POLYMERIZABLE COMPOSITION CONTAINING NOVEL CYCLIC SULFUR COMPOUND AND
 RESIN OBTAINED BY CURING THE POLYMERIZABLE COMPOSITION.
 TIFR COMPOSITION POLYMERISABLE CONTENANT UN NOUVEAU COMPOSE DE SOUFRE
 CYCLIQUE ET RESINE OBTENUE APRES DURCISSEMENT DE LA COMPOSITION
 POLYMERISABLE.
 TIDE POLYMERISIERBARE ZUSAMMENSETZUNG MIT NEUER CYCLISCHER SCHWEFELVERBINDUNG
 UND DURCH HAERTEN DER POLYMERISIERBAREN ZUSAMMENSETZUNG ERHALTENES HARZ.
 IN KOBAYASHI, Seiichi, c/o Mitsui Chemicals, Inc., 30, Asamuta, Omuta-shi,
 Fukuoka 836-8610, JP;
 MORIJIRI, Hiroyuki, c/o Mitsui Chemicals, Inc., 30, Asamuta, Omuta-shi,
 Fukuoka 836-8610, JP
 PA MITSUI CHEMICALS, INC., 5-2, Higashi-Shimbashi 1-Chome Minato-ku, Tokyo,
 JP
 PAN 5013870
 AG Paget, Hugh Charles Edward, et al, Mewburn Ellis LLP York House 23
 Kingsway, London WC2B 6HP, GB
 AGN 34621
 DT Patent
 LAF Japanese
 LA English
 LAP English
 TL German; English; French
 PIT EPA1 Application published with search report
 PI EP 1482002 A1 20041201
 WO 2003074588 20030912
 DS DE FR GB IT
 EXTENSION STATES: AL LT LV MK RO
 AI EP 2003-743512 A 20030227
 WO 2003-JP2189 A 20030227
 PRAI JP 2002-55774 A 20020301
 IC.VER 7
 ICM C08G075-00
 ICS C07D331-04; C07D409-14; G02C007-02

 L8 ANSWER 4 OF 13 EPFULL COPYRIGHT 2006 EPO/FIZ KA on STN

 AN 2001:13938 EPFULL
 DUPD 20041201 DUPW 200449

TIEN Polythiol, polymerizable composition, resin and lens, and process for preparing thiol compound.

TIFR Polythiol, composition polymerizable, resine et lentille, et procede de preparation du polythiol.

TIDE Polythiol, polymerisierbare Zusammensetzung, Harz und Linse und Verfahren zur Herstellung der Thiolverbindung.

IN Tanaka, Mamoru, c/o Mitsui Chemicals, Inc., 30, Asamutacho, Omuta-shi, Fukuoka, JP;
Kuma, Shigetoshi, c/o Mitsui Chemicals, Inc., 30, Asamutacho, Omuta-shi, Fukuoka, JP;
Kobayashi, Seiichi, c/o Mitsui Chemicals, Inc., 30, Asamutacho, Omuta-shi, Fukuoka, JP;
Kanemura, Yoshinobu, c/o Mitsui Chemicals, Inc., 30, Asamutacho, Omuta-shi, Fukuoka, JP

PA MITSUI CHEMICALS, INC., 5-2, Higashi-Shimbashi 1-Chome Minato-ku, Tokyo, JP

PAN 5013870

AG Stuart, Ian Alexander, et al, Mewburn Ellis LLP York House 23 Kingsway, London WC2B 6HP, GB

AGN 50492

DT Patent

LAF English

LA English

LAP English

TL German; English; French

PIT EPA1 Application published with search report

PI EP 1138670 A1 20011004

DS DE FR GB IT

AI EP 2001-302783 A 20010326

PRAI JP 2000-86434 A 20000327

JP 2000-86436 A 20000327

IC.VER 7

ICM C07C323-64

ICS C08G075-04; C08G018-38; G02B001-04; C07C321-04; C07C321-14; C07C319-20; C07C319-22; C08G059-66

AN 2001:13938 EPFULL ED 20050525 UP 20060518

DUPD 20060517 DUPW 200620

TIEN Polythiol, polymerizable composition, resin and lens, and process for preparing thiol compound.

TIFR Polythiol, composition polymerizable, resine et lentille, et procede de preparation du polythiol.

TIDE Polythiol, polymerisierbare Zusammensetzung, Harz und Linse und Verfahren zur Herstellung der Thiolverbindung.

IN Tanaka, Mamoru, c/o Mitsui Chemicals, Inc.,30, Asamutacho, Omuta-shi,Fukuoka, JP;
Kuma, Shigetoshi, c/o Mitsui Chemicals, Inc.,30, Asamutacho, Omuta-shi,Fukuoka, JP;
Kobayashi, Seiichi, c/o Mitsui Chemicals, Inc.,30, Asamutacho, Omuta-shi,Fukuoka, JP;
Kanemura, Yoshinobu, c/o Mitsui Chemicals, Inc.,30, Asamutacho, Omuta-shi,Fukuoka, JP

PA Mitsui Chemicals, Inc., 5-2, Higashi-Shimbashi 1-Chome Minato-ku, Tokyo, JP

PAN 5013870

AG Stuart, Ian Alexander, et al, Mewburn Ellis LLP York House 23 Kingsway, London WC2B 6HP, GB

AGN 50492

DT Patent

LAF English

LA English

LAP English

TL German; English; French

PIT EPB1 Granted patent

PI EP 1138670 B1 20050525

DS DE FR GB IT

AI EP 2001-302783 A 20010326

PRAI JP 2000-86434 A 20000327

JP 2000-86436 A 20000327

REN DATABASE CHEMABS [Online] CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO,
US; stn, CAPLUS 1997:195473, XP002171287 & JP 09 005679 A 10 January
1997 (1997-01-10)

REP GB 1155431 A
US 3374206 A
US 3716588 A
US 3718700 A
US 5369141 A

IPCI C07C0323-64 [I,A]; C08G0075-04 [I,A]; C08G0018-38 [I,A]; G02B0001-04
[I,A]; C07C0321-04 [I,A]; C07C0321-14 [I,A]; C07C0319-20 [I,A];
C07C0319-22 [I,A]; C08G0059-66 [I,A]
C07C0323-00 [I,C*]; C08G0075-00 [I,C*]; C08G0018-00 [I,C*]; G02B0001-04
[I,C*]; C07C0321-00 [I,C*]; C07C0321-00 [I,C*]; C07C0319-00 [I,C*];
C07C0319-00 [I,C*]; C08G0059-00 [I,C*]

L8 ANSWER 5 OF 13 USPATFULL on STN
AN 2005:248557 USPATFULL
TI Polymerizable composition containing novel cyclic sulfur compound and
resin obtained by curing the polymerizable composition
IN Kobayashi, Seiichi, Fukuoka, JAPAN
Morijiri, Hiroyuki, Fukuoka, JAPAN
PA Mitsui Chemicals, Inc., Tokyo, JAPAN, 105-7117 (non-U.S. corporation)
PI US 2005215757 A1 20050929
AI US 2003-504190 A1 20030227 (10)
WO 2003-JP2189 20030227
20040811 PCT 371 date

PRAI JP 2002-55774 20020301
DT Utility
FS APPLICATION
LN.CNT 3196
INCL INCLM: 528/323.000
NCL NCLM: 528/323.000
IC [7]
ICM C08G069-14
IPCI C08G0069-14 [ICM,7]; C08G0069-00 [ICM,7,C*]
IPCR C07D0331-00 [I,C*]; C07D0331-04 [I,A]; C08G0075-00 [I,C*];
C08G0075-06 [I,A]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 6 OF 13 USPATFULL on STN
AN 2005:194550 USPATFULL
TI Light control plastic lens, coated sheet-like light control element for
the lens production, and a production method for light control plastic
lens
IN Kawai, Ryoza, Saitama, JAPAN
Aoki, Yoshiyuki, Saitama, JAPAN
Takakuwa, Kyohei, Saitama, JAPAN
Masumoto, Mitsuhiko, Tokyo, JAPAN
Hirota, Toshizumi, Osaka, JAPAN
Takeuchi, Motoharu, Tokyo, JAPAN
PA FUJI KASEI CO., LTD., Tokorozawa City, JAPAN (non-U.S. corporation)
Mitsubishi Gas Chemical Company, Inc., Tokyo, JAPAN (non-U.S.
corporation)
PI US 2005168690 A1 20050804
AI US 2005-41337 A1 20050125 (11)
PRAI JP 2004-25896 20040202
JP 2004-98840 20040330
JP 2004-126003 20040421

DT Utility
FS APPLICATION
LN.CNT 2648
INCL INCLM: 351/163.000
NCL NCLM: 351/163.000
IC [7]
ICM G02C007-10
IPCI G02C0007-10 [ICM,7]; G02C0007-00 [ICM,7,C*]
IPCR B29C0039-00 [N,C*]; B29C0039-18 [N,A]; B29C0045-14 [N,A];
B29C0045-14 [N,C*]; B29D0011-00 [I,A]; B29D0011-00 [I,C*];
G02B0005-22 [I,C*]; G02B0005-23 [I,A]; G02C0007-00 [I,C*];

L8 ANSWER 7 OF 13 USPATFULL on STN
 AN 2005:152289 USPATFULL
 TI Thiourethane-based optical material
 IN Tanaka, Mamoru, Omuta-shi, JAPAN
 Kuma, Shigetoshi, Omuta-shi, JAPAN
 Funaya, Munehito, Sodegaura-shi, JAPAN
 Kobayashi, Seiichi, Omuta-shi, JAPAN
 PA Mitsui Chemicals, INC., Minato-ku Tokyo, JAPAN, 105-7117 (non-U.S. corporation)
 PI US 2005131203 A1 20050616
 AI US 2003-509765 A1 20031212 (10)
 WO 2003-JP4816 20031212
 PRAI JP 2002-117531 20020419
 DT Utility
 FS APPLICATION
 LN.CNT 1281
 INCL INCLM: 528/373.000
 NCL NCLM: 528/373.000
 IC [7]
 ICM C08G075-00
 IPCI C08G0075-00 [ICM,7]
 IPCR C08G0018-00 [I,C*]; C08G0018-38 [I,A]; C08G0018-76 [I,A];
 G02B0001-04 [I,A]; G02B0001-04 [I,C*]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 8 OF 13 USPATFULL on STN
 AN 2003:283324 USPATFULL
 TI Process for preparing a thiol compound
 IN Tanaka, Mamoru, Fukuoka, JAPAN
 Kuma, Shigetoshi, Fukuoka, JAPAN
 Kobayashi, Seiichi, Fukuoka, JAPAN
 Kanemura, Yoshinobu, Fukuoka, JAPAN
 PA Mitsui Chemicals, Inc., Tokyo, JAPAN (non-U.S. corporation)
 PI US 2003199668 A1 20031023
 US 6770735 B2 20040803
 AI US 2003-455729 A1 20030606 (10)
 RLI Division of Ser. No. US 2001-817161, filed on 27 Mar 2001, GRANTED, Pat.
 No. US 6596841
 PRAI JP 2000-86434 20000327
 JP 2000-86436 20000327
 DT Utility
 FS APPLICATION
 LN.CNT 1458
 INCL INCLM: 528/374.000
 NCL NCLM: 528/374.000
 NCLS: 351/159.000; 528/373.000
 IC [7]
 ICM C08G075-04
 IPCI C08G0075-04 [ICM,7]; C08G0075-00 [ICM,7,C*]
 IPCI-2 C08G0075-04 [ICM,7]; C08G0075-00 [ICM,7,C*]
 IPCR C07C0321-00 [I,C*]; C07C0321-14 [I,A]; C08G0018-00 [I,C*];
 C08G0018-28 [I,A]; C08G0018-38 [I,A]; C08G0018-77 [I,A];
 C08G0059-00 [I,C*]; C08G0059-66 [I,A]; C08G0075-00 [I,C*];
 C08G0075-04 [I,A]; C08L0081-00 [I,C*]; C08L0081-02 [I,A];
 G02B0001-04 [I,A]; G02B0001-04 [I,C*]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 9 OF 13 USPATFULL on STN
 AN 2003:214587 USPATFULL
 TI Polythiol compound
 IN Tanaka, Mamoru, Omuta-shi, JAPAN
 Kuma, Shigetoshi, Omuta-shi, JAPAN
 Kobayashi, Seiichi, Omuta-shi, JAPAN
 Kanemura, Yoshinobu, Omuta-shi, JAPAN
 PA Mitsui Chemicals, Inc., Tokyo, JAPAN (non-U.S. corporation)
 PI US 2003149230 A1 20030807
 US 6770734 B2 20040803

AI US 2002-316180 A1 20021211 (10)
RLI Continuation-in-part of Ser. No. US 2001-817161, filed on 27 Mar 2001,
PENDING
PRAI JP 2000-86434 20000327
JP 2000-86436 20000327
DT Utility
FS APPLICATION
LN.CNT 1210
INCL INCLM: 528/374.000
NCL NCLM: 528/374.000
NCLS: 528/373.000
IC [7]
ICM C08G075-04
IPCI C08G0075-04 [ICM,7]; C08G0075-00 [ICM,7,C*]
IPCI-2 C08G0075-04 [ICM,7]; C08G0075-00 [ICM,7,C*]
IPCR C07C0321-00 [I,C*]; C07C0321-14 [I,A]; C08G0018-00 [I,C*];
C08G0018-28 [I,A]; C08G0018-38 [I,A]; C08G0018-77 [I,A];
C08G0059-00 [I,C*]; C08G0059-66 [I,A]; C08G0075-00 [I,C*];
C08G0075-04 [I,A]; C08L0081-00 [I,C*]; C08L0081-02 [I,A];
G02B0001-04 [I,A]; G02B0001-04 [I,C*]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 10 OF 13 USPATFULL on STN
AN 2002:37993 USPATFULL
TI Polythiol, polymerizable composition, resin and lens, and process for
preparing thiol compound
IN Tanaka, Mamoru, Fukuoka, JAPAN
Kuma, Shigetoshi, Fukuoka, JAPAN
Kobayashi, Seiichi, Fukuoka, JAPAN
Kanemura, Yoshinobu, Fukuoka, JAPAN
PI US 2002022713 A1 20020221
US 6596841 B2 20030722
AI US 2001-817161 A1 20010327 (9)
PRAI JP 2000-86434 20000327
JP 2000-86436 20000327
DT Utility
FS APPLICATION
LN.CNT 1458
INCL INCLM: 528/374.000
INCLS: 528/373.000; 351/159.000; 359/642.000
NCL NCLM: 528/374.000
NCLS: 351/159.000; 528/373.000; 359/642.000
IC [7]
ICM C08G075-04
IPCI C08G0075-04 [ICM,7]; C08G0075-00 [ICM,7,C*]
IPCI-2 C08G0075-04 [ICM,7]; C08G0075-00 [ICM,7,C*]
IPCR C07C0321-00 [I,C*]; C07C0321-14 [I,A]; C08G0018-00 [I,C*];
C08G0018-28 [I,A]; C08G0018-38 [I,A]; C08G0018-77 [I,A];
C08G0059-00 [I,C*]; C08G0059-66 [I,A]; C08G0075-00 [I,C*];
C08G0075-04 [I,A]; C08L0081-00 [I,C*]; C08L0081-02 [I,A];
G02B0001-04 [I,A]; G02B0001-04 [I,C*]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 11 OF 13 USPAT2 on STN
AN 2003:283324 USPAT2
TI Process for preparing a thiol compound
IN Tanaka, Mamoru, Fukuoka, JAPAN
Kuma, Shigetoshi, Fukuoka, JAPAN
Kobayashi, Seiichi, Fukuoka, JAPAN
Kanemura, Yoshinobu, Fukuoka, JAPAN
PA Mitsui Chemicals, Inc., Tokyo, JAPAN (non-U.S. corporation)
PI US 6770735 B2 20040803
AI US 2003-455729 20030606 (10)
RLI Division of Ser. No. US 2001-817161, filed on 27 Mar 2001, now patented,
Pat. No. US 6596841
PRAI JP 2000-86434 20000327
JP 2000-86436 20000327
DT Utility
FS GRANTED

LN.CNT 1330
INCL INCLM: 528/374.000
INCLS: 528/373.000; 351/159.000; 351/642.000
NCL NCLM: 528/374.000
NCLS: 351/159.000; 528/373.000
IC [7]
ICM C08G075-04
IPCI C08G0075-04 [ICM,7]; C08G0075-00 [ICM,7,C*]
IPCI-2 C08G0075-04 [ICM,7]; C08G0075-00 [ICM,7,C*]
IPCR C07C0321-00 [I,C*]; C07C0321-14 [I,A]; C08G0018-00 [I,C*];
C08G0018-28 [I,A]; C08G0018-38 [I,A]; C08G0018-77 [I,A];
C08G0059-00 [I,C*]; C08G0059-66 [I,A]; C08G0075-00 [I,C*];
C08G0075-04 [I,A]; C08L0081-00 [I,C*]; C08L0081-02 [I,A];
G02B0001-04 [I,A]; G02B0001-04 [I,C*]
EXF 528/374; 528/373; 351/159; 351/642
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 12 OF 13 USPAT2 on STN
AN 2003:214587 USPAT2
TI Polythiol compound
IN Tanaka, Mamoru, Fukuoka, JAPAN
Kuma, Shigetoshi, Fukuoka, JAPAN
Kobayashi, Seiichi, Fukuoka, JAPAN
Kanemura, Yoshinobu, Fukuoka, JAPAN
PA Mitsui Chemicals, Inc., Tokyo, JAPAN (non-U.S. corporation)
PI US 6770734 B2 20040803
AI US 2002-316180 20021211 (10)
RLI Continuation-in-part of Ser. No. US 2001-817161, filed on 27 Mar 2001,
now patented, Pat. No. US 6596841
PRAI JP 2000-86434 20000327
JP 2000-86436 20000327
DT Utility
FS GRANTED
LN.CNT 1188
INCL INCLM: 528/374.000
INCLS: 528/373.000
NCL NCLM: 528/374.000
NCLS: 528/373.000
IC [7]
ICM C08G075-04
IPCI C08G0075-04 [ICM,7]; C08G0075-00 [ICM,7,C*]
IPCI-2 C08G0075-04 [ICM,7]; C08G0075-00 [ICM,7,C*]
IPCR C07C0321-00 [I,C*]; C07C0321-14 [I,A]; C08G0018-00 [I,C*];
C08G0018-28 [I,A]; C08G0018-38 [I,A]; C08G0018-77 [I,A];
C08G0059-00 [I,C*]; C08G0059-66 [I,A]; C08G0075-00 [I,C*];
C08G0075-04 [I,A]; C08L0081-00 [I,C*]; C08L0081-02 [I,A];
G02B0001-04 [I,A]; G02B0001-04 [I,C*]
EXF 528/374; 528/373
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 13 OF 13 USPAT2 on STN
AN 2002:37993 USPAT2
TI Polythiol, polymerizable composition, resin and lens, and process for
preparing thiol compound
IN Tanaka, Mamoru, Fukuoka, JAPAN
Kuma, Shigetoshi, Fukuoka, JAPAN
Kobayashi, Seiichi, Fukuoka, JAPAN
Kanemura, Yoshinobu, Fukuoka, JAPAN
PA Mitsui Chemicals, Inc., Tokyo, JAPAN (non-U.S. corporation)
PI US 6596841 B2 20030722
AI US 2001-817161 20010327 (9)
PRAI JP 2000-86434 20000327
JP 2000-86436 20000327
DT Utility
FS GRANTED
LN.CNT 1316
INCL INCLM: 528/374.000
INCLS: 528/373.000; 351/159.000; 351/642.000
NCL NCLM: 528/374.000

IC NCLS: 351/159.000; 528/373.000; 359/642.000
[7]
ICM C08G075-04
IPCI C08G0075-04 [ICM,7]; C08G0075-00 [ICM,7,C*]
IPCI-2 C08G0075-04 [ICM,7]; C08G0075-00 [ICM,7,C*]
IPCR C07C0321-00 [I,C*]; C07C0321-14 [I,A]; C08G0018-00 [I,C*];
C08G0018-28 [I,A]; C08G0018-38 [I,A]; C08G0018-77 [I,A];
C08G0059-00 [I,C*]; C08G0059-66 [I,A]; C08G0075-00 [I,C*];
C08G0075-04 [I,A]; C08L0081-00 [I,C*]; C08L0081-02 [I,A];
G02B0001-04 [I,A]; G02B0001-04 [I,C*]
EXF 528/374; 528/373; 351/159; 351/642
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> s 18 and 15

L9 6 L8 AND L5

=> d 19 1-6

L9 ANSWER 1 OF 6 EPFULL COPYRIGHT 2006 EPO/FIZ KA on STN

AN 2003:44079 EPFULL
DUPD 20040102 DUPW 200401
TIEN THIOURETHANE-BASED OPTICAL MATERIAL.
TIFR MATERIAU OPTIQUE A BASE DE THIO-URETHANE.
IN TANAKA, Mamoru c/o Mitsui Chemicals, Inc., 30, Asamuta, Omuta-shi,
Fukuoka 836-8610, JP;
KUMA, Shigetoshi c/o Mitsui Chemicals, Inc., 30, Asamuta, Omuta-shi,
Fukuoka 836-8610, JP;
FUNAYA, Munehito c/o Mitsui Chemicals, Inc., 580-32, Nagaura,
Sodegaura-shi, Chiba 299-0265, JP;
KOBAYASHI, Seiichi c/o Mitsui Chemicals, Inc., 30, Asamuta, Omuta-shi,
Fukuoka 836-8610, JP
PA Mitsui Chemicals, Inc., 2-5, Kasumigaseki 3-chome, Chiyoda-ku, Tokyo
100-6070, JP
PAN 213645
DT Patent
LAF Japanese
LA English
LAP English
TL English; French
PIT WOA1 International application published with search report
PI WO 2003089488 A1 20031030
DS AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL
EXTENSION STATES: AL LT LV MK
AI EP 2003-723124 A 20030416
WO 2003-JP4816 A 20030416
PRAI JP 2002-117531 A 20020419
IC.VER 7
ICM C08G018-38
ICS C07D339-00; C07D339-08; G02B001-04

AN 2003:44079 EPFULL ED 20050209 UP 20050209
DUPD 20050209 DUPW 200506
TIEN THIOURETHANE-BASED OPTICAL MATERIAL.
TIFR MATERIAU OPTIQUE A BASE DE THIO-URETHANE.
TIDE OPTISCHES MATERIAL AUF THIOURETHAN-BASIS.
IN TANAKA, Mamoru c/o Mitsui Chemicals, Inc., 30, Asamuta, Omuta-shi,
Fukuoka 836-8610, JP;
KUMA, Shigetoshi c/o Mitsui Chemicals, Inc., 30, Asamuta, Omuta-shi,
Fukuoka 836-8610, JP;
FUNAYA, Munehito c/o Mitsui Chemicals, Inc., 580-32, Nagaura,
Sodegaura-shi, Chiba 299-0265, JP;
KOBAYASHI, Seiichi c/o Mitsui Chemicals, Inc., 30, Asamuta, Omuta-shi,
Fukuoka 836-8610, JP
PA Mitsui Chemicals, Inc., 5-2, Higashi-Shimbashi 1-chome, Minato-ku, Tokyo
105-7117, JP
PAN 213649
AG Paget, Hugh Charles Edward, et al, Mewburn Ellis LLP York House 23

Kingsway, London WC2B 6HP, GB
 AGN 34621
 DT Patent
 LAF Japanese
 LA English
 LAP English
 TL German; English; French
 PIT EPA1 Application published with search report
 PI EP 1505094 A1 20050209
 WO 2003089488 20031030
 DS AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE
 SI SK TR
 EXTENSION STATES: AL LT LV MK
 AI EP 2003-723124 A 20030416
 WO 2003-JP4816 A 20030416
 PRAI JP 2002-117531 A 20020419
 IC.VER 7
 ICM C08G018-38
 ICS C07D339-00; C07D339-08; G02B001-04

 L9 ANSWER 2 OF 6 EPFULL COPYRIGHT 2006 EPO/FIZ KA on STN

 AN 2003:24830 EPFULL
 DUPD 20031105 DUPW 200345
 TIEN POLYMERIZABLE COMPOSITION CONTAINING NOVEL CYCLIC SULFUR COMPOUND AND
 RESIN OBTAINED BY CURING THE POLYMERIZABLE COMPOSITION.
 TIFR COMPOSITION POLYMERISABLE CONTENANT UN NOUVEAU COMPOSE DE SOUFRE
 CYCLIQUE ET RESINE OBTENUE APRES DURCISSEMENT DE LA COMPOSITION
 POLYMERISABLE.
 IN KOBAYASHI, Seiichi, c/o Mitsui Chemicals, Inc., 30, Asamuta, Omuta-shi,
 Fukuoka 836-8610, JP;
 MORIJIRI, Hiroyuki, c/o Mitsui Chemicals, Inc., 30, Asamuta, Omuta-shi,
 Fukuoka 836-8610, JP
 PA Mitsui Chemicals, Inc., 2-5, Kasumigaseki 3-chome, Chiyoda-ku, Tokyo
 100-6070, JP
 PAN 213645
 DT Patent
 LAF Japanese
 LA English
 LAP English
 TL English; French
 PIT WOA1 International application published with search report
 PI WO 2003074588 A1 20030912
 DS AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL
 EXTENSION STATES: AL LT LV MK RO
 AI EP 2003-743512 A 20030227
 WO 2003-JP2189 A 20030227
 PRAI JP 2002-55774 A 20020301
 IC.VER 7
 ICM C08G075-00
 ICS C07D331-04; C07D409-14; G02C007-02

 AN 2003:24830 EPFULL UP 20050608
 DUPD 20050608 DUPW 200523
 TIEN POLYMERIZABLE COMPOSITION CONTAINING NOVEL CYCLIC SULFUR COMPOUND AND
 RESIN OBTAINED BY CURING THE POLYMERIZABLE COMPOSITION.
 TIFR COMPOSITION POLYMERISABLE CONTENANT UN NOUVEAU COMPOSE DE SOUFRE
 CYCLIQUE ET RESINE OBTENUE APRES DURCISSEMENT DE LA COMPOSITION
 POLYMERISABLE.
 TIDE POLYMERISIERBARE ZUSAMMENSETZUNG MIT NEUER CYCLISCHER SCHWEFELVERBINDUNG
 UND DURCH HAERTEN DER POLYMERISIERBAREN ZUSAMMENSETZUNG ERHALTENES HARZ.
 IN KOBAYASHI, Seiichi, c/o Mitsui Chemicals, Inc., 30, Asamuta, Omuta-shi,
 Fukuoka 836-8610, JP;
 MORIJIRI, Hiroyuki, c/o Mitsui Chemicals, Inc., 30, Asamuta, Omuta-shi,
 Fukuoka 836-8610, JP
 PA MITSUI CHEMICALS, INC., 5-2, Higashi-Shimbashi 1-Chome Minato-ku, Tokyo,
 JP
 PAN 5013870
 AG Paget, Hugh Charles Edward, et al, Mewburn Ellis LLP York House 23

Kingsway, London WC2B 6HP, GB
AGN 34621
DT Patent
LAF Japanese
LA English
LAP English
TL German; English; French
PIT EPA1 Application published with search report
PI EP 1482002 A1 20041201
WO 2003074588 20030912
DS DE FR GB IT
EXTENSION STATES: AL LT LV MK RO
AI EP 2003-743512 A 20030227
WO 2003-JP2189 A 20030227
PRAI JP 2002-55774 A 20020301
IC.VER 7
ICM C08G075-00
ICS C07D331-04; C07D409-14; G02C007-02

L9 ANSWER 3 OF 6 USPATFULL on STN
AN 2005:248557 USPATFULL
TI Polymerizable composition containing novel cyclic sulfur compound and resin obtained by curing the polymerizable composition
IN Kobayashi, Seiichi, Fukuoka, JAPAN
Morijiri, Hiroyuki, Fukuoka, JAPAN
PA Mitsui Chemicals, Inc., Tokyo, JAPAN, 105-7117 (non-U.S. corporation)
PI US 2005215757 A1 20050929
AI US 2003-504190 A1 20030227 (10)
WO 2003-JP2189 20030227
20040811 PCT 371 date
PRAI JP 2002-55774 20020301
DT Utility
FS APPLICATION
LN.CNT 3196
INCL INCLM: 528/323.000
NCL NCLM: 528/323.000
IC [7]
ICM C08G069-14
IPCI C08G0069-14 [ICM,7]; C08G0069-00 [ICM,7,C*]
IPCR C07D0331-00 [I,C*]; C07D0331-04 [I,A]; C08G0075-00 [I,C*];
C08G0075-06 [I,A]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 4 OF 6 USPATFULL on STN
AN 2005:152289 USPATFULL
TI Thiourethane-based optical material
IN Tanaka, Mamoru, Omuta-shi, JAPAN
Kuma, Shigetoshi, Omuta-shi, JAPAN
Funaya, Munehito, Sodegaura-shi, JAPAN
Kobayashi, Seiichi, Omuta-shi, JAPAN
PA Mitsui Chemicals, INC., Minato-ku Tokyo, JAPAN, 105-7117 (non-U.S. corporation)
PI US 2005131203 A1 20050616
AI US 2003-509765 A1 20031212 (10)
WO 2003-JP4816 20031212
PRAI JP 2002-117531 20020419
DT Utility
FS APPLICATION
LN.CNT 1281
INCL INCLM: 528/373.000
NCL NCLM: 528/373.000
IC [7]
ICM C08G075-00
IPCI C08G0075-00 [ICM,7]
IPCR C08G0018-00 [I,C*]; C08G0018-38 [I,A]; C08G0018-76 [I,A];
G02B0001-04 [I,A]; G02B0001-04 [I,C*]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 5 OF 6 USPATFULL on STN

AN 2003:214587 USPATFULL
 TI Polythiol compound
 IN Tanaka, Mamoru, Omuta-shi, JAPAN
 Kuma, Shigetoshi, Omuta-shi, JAPAN
 Kobayashi, Seiichi, Omuta-shi, JAPAN
 Kanemura, Yoshinobu, Omuta-shi, JAPAN
 PA Mitsui Chemicals, Inc., Tokyo, JAPAN (non-U.S. corporation)
 PI US 2003149230 A1 20030807
 US 6770734 B2 20040803
 AI US 2002-316180 A1 20021211 (10)
 RLI Continuation-in-part of Ser. No. US 2001-817161, filed on 27 Mar 2001,
 PENDING
 PRAI JP 2000-86434 20000327
 JP 2000-86436 20000327
 DT Utility
 FS APPLICATION
 LN.CNT 1210
 INCL INCLM: 528/374.000
 NCL NCLM: 528/374.000
 NCLS: 528/373.000
 IC [7]
 ICM C08G075-04
 IPCI C08G0075-04 [ICM,7]; C08G0075-00 [ICM,7,C*]
 IPCI-2 C08G0075-04 [ICM,7]; C08G0075-00 [ICM,7,C*]
 IPCR C07C0321-00 [I,C*]; C07C0321-14 [I,A]; C08G0018-00 [I,C*];
 C08G0018-28 [I,A]; C08G0018-38 [I,A]; C08G0018-77 [I,A];
 C08G0059-00 [I,C*]; C08G0059-66 [I,A]; C08G0075-00 [I,C*];
 C08G0075-04 [I,A]; C08L0081-00 [I,C*]; C08L0081-02 [I,A];
 G02B0001-04 [I,A]; G02B0001-04 [I,C*]
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 6 OF 6 USPAT2 on STN
 AN 2003:214587 USPAT2
 TI Polythiol compound
 IN Tanaka, Mamoru, Fukuoka, JAPAN
 Kuma, Shigetoshi, Fukuoka, JAPAN
 Kobayashi, Seiichi, Fukuoka, JAPAN
 Kanemura, Yoshinobu, Fukuoka, JAPAN
 PA Mitsui Chemicals, Inc., Tokyo, JAPAN (non-U.S. corporation)
 PI US 6770734 B2 20040803
 AI US 2002-316180 20021211 (10)
 RLI Continuation-in-part of Ser. No. US 2001-817161, filed on 27 Mar 2001,
 now patented, Pat. No. US 6596841
 PRAI JP 2000-86434 20000327
 JP 2000-86436 20000327
 DT Utility
 FS GRANTED
 LN.CNT 1188
 INCL INCLM: 528/374.000
 INCLS: 528/373.000
 NCL NCLM: 528/374.000
 NCLS: 528/373.000
 IC [7]
 ICM C08G075-04
 IPCI C08G0075-04 [ICM,7]; C08G0075-00 [ICM,7,C*]
 IPCI-2 C08G0075-04 [ICM,7]; C08G0075-00 [ICM,7,C*]
 IPCR C07C0321-00 [I,C*]; C07C0321-14 [I,A]; C08G0018-00 [I,C*];
 C08G0018-28 [I,A]; C08G0018-38 [I,A]; C08G0018-77 [I,A];
 C08G0059-00 [I,C*]; C08G0059-66 [I,A]; C08G0075-00 [I,C*];
 C08G0075-04 [I,A]; C08L0081-00 [I,C*]; C08L0081-02 [I,A];
 G02B0001-04 [I,A]; G02B0001-04 [I,C*]
 EXF 528/374; 528/373
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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Day : Wednesday

Date: 6/21/2006

Time: 14:54:13



PALM INTRANET

Inventor Name Search Result

Your Search was:

Last Name = TANAKA

First Name = MAMORU

Application#	Patent#	Status	Date Filed	Title	Inventor Name
06055009	4336601	150	07/05/1979	REWITABLE PROGRAMMABLE LOGIC ARRAY	TANAKA, MAMORU
06088755	4296907	150	10/29/1979	SUPPORT ASSEMBLY FOR AN EXHAUST SYSTEM OF A MOTOR VEHICLE	TANAKA, MAMORU
06120030	4327316	150	02/11/1980	BATTERY RECHARGINGSOLAR CELL ARRANGEMENT FOR AN AUTOMOTIVE VEHICLE	TANAKA, MAMORU
06268289	4517852	150	05/29/1981	CARRIAGE APPARATUS	TANAKA, MAMORU
06456221	4511738	150	01/07/1983	PROCESS FOR PREPARING PHOSPHINE OXIDES	TANAKA, MAMORU
06482974	4581173	150	04/07/1983	PRODUCTION OF HYDROXYMETHYLBUTENOIC ACIDS VIA OXIDATION	TANAKA, MAMORU
06643238	Not Issued	166	08/22/1984	ORIGINAL FEEDING APPARATUS	TANAKA, MAMORU
06880112	4667951	150	06/30/1986	ORIGINAL FEEDING APPARATUS	TANAKA, MAMORU
07243038	4892731	150	08/09/1988	BIOLOGICAL INTESTINAL ANTISEPTICS	TANAKA, MAMORU
07248941	5002958	150	09/26/1988	HYPOTENSIVE AGENT	TANAKA, MAMORU
07379543	D325000	150	07/12/1989	CLOCK	TANAKA, MAMORU
07389104	D313093	150	08/03/1989	AUTOMATIC FOOD DISPENSER FOR AQUARIUMS OR THE LIKE	TANAKA, MAMORU
07389106	D321663	150	08/03/1989	TRAVEL ALARM CLOCK	TANAKA, MAMORU
07415342	Not Issued	166	09/15/1989	OIL COOLER AND PROCESS FOR MANUFACTURING THE SAME	TANAKA, MAMORU
07544093	5044545	150	06/26/1990	OIL COOLER AND PROCESS FOR	TANAKA,

				MANUFACTURING THE SAME	MAMORU
<u>07547998</u>	Not Issued	166	07/03/1990	PROCESS FOR PRODUCING HALOALKYL ALKANOATES	TANAKA, MAMORU
<u>07625911</u>	<u>5217449</u>	150	12/11/1990	MEDICAL CAPSULE AND APPARATUS FOR ACTIVATING THE SAME	TANAKA, MAMORU
<u>07658777</u>	<u>5064297</u>	150	02/21/1991	STATIC PRESSURE GAS BEARING WITH THROTTLING CONTROL VALVE IN HOUSING	TANAKA, MAMORU
<u>07769051</u>	Not Issued	161	09/26/1991	PROCESS FOR PRODUCING HALOALKYL ALKANOATES	TANAKA, MAMORU
<u>07899272</u>	<u>5256030</u>	250	06/16/1992	METHOD AND APPARATUS FOR TAKING AWAY GLASS PLATES STOOD ON A PALLET WHILE REMOVING SPACERS	TANAKA, MAMORU
<u>07924062</u>	<u>5384998</u>	150	09/02/1992	CURVED PANEL	TANAKA, MAMORU
<u>07985639</u>	<u>5292523</u>	150	12/03/1992	METHOD FOR GROWTH PROMOTION OF ANIMALS AND POWDER COMPOSITIONS CONTAINING KILLED MICROBIAL CELLS OF BACTERIA BELONGING TO GENUS CLOSTRIDIUM	TANAKA, MAMORU
<u>08144560</u>	Not Issued	166	11/02/1993	IMAGE FORMING METHOD AND APPARATUS THEREOF	TANAKA, MAMORU
<u>08230116</u>	<u>5631687</u>	150	04/20/1994	LASER LIGHT RADIATION DEVICE PROVIDING REDUCED LASER LIGHT SPOT SIZE	TANAKA, MAMORU
<u>08236082</u>	<u>5462362</u>	150	05/02/1994	WEAR RESISTING SLIDE MEMBER	TANAKA, MAMORU
<u>08413113</u>	<u>5693738</u>	150	03/29/1995	COMPOSITION FOR URETHANE- BASE PLASTIC LENS, URETHANE-BASE PLASTIC LENS OBTAINED FROM THE COMPOSITION, AND PROCESS FOR THE PRODUCTION OF THE PLASTIC LENS	TANAKA, MAMORU
<u>08497420</u>	<u>5666589</u>	150	06/30/1995	ELECTROPHOTOGRAPHIC APPARATUS AND IMAGE FORMING METHOD USING A PHOTOSENSITIVE MEMBER WITH EXPOSURE CHARACTERISTICS RESPONSIVE TO FIELD INTENSITY	TANAKA, MAMORU
<u>08568299</u>	<u>5818489</u>	150	12/06/1995	IMAGE FORMING APPARATUS	TANAKA,

				AND PROCESS CARTRIDGE HAVING EXPOSURE DEVICE USING LIGHT BEAM HAVING SPECIFIC SPOT AREA	MAMORU
<u>08640442</u>	<u>5955206</u>	150	04/30/1996	POLYSULFIDE-BASED RESIN COMPOSITION, POLYSULFIDE- BASED RESIN, AND OPTICAL MATERIAL COMPRISING THE RESIN	TANAKA, MAMORU
<u>08754476</u>	<u>5724090</u>	150	11/22/1996	IMAGE FORMING METHOD AND APPARATUS THEREOF WITH CONTROL OF DOT POSITION	TANAKA, MAMORU
<u>08755140</u>	<u>6148101</u>	150	11/22/1996	DIGITAL IMAGE PROCESSOR	TANAKA, MAMORU
<u>08812264</u>	<u>5862280</u>	150	03/06/1997	FERRULE FOR USE WITH AN OPTICAL FIBER CONNECTOR AND METHOD FOR PRODUCTION THEREOF	TANAKA, MAMORU
<u>08985309</u>	<u>6282323</u>	150	12/04/1997	IMAGE PROCESSING METHOD AND APPARATUS	TANAKA, MAMORU
<u>09096384</u>	<u>5997693</u>	150	06/12/1998	STOCK LIQUOR PRESSURE PULSATION ABSORBING APPARATUS AND METHOD	TANAKA, MAMORU
<u>09140598</u>	<u>5989106</u>	150	08/26/1998	FERRULE FOR USE WITH AN OPTICAL FIBER CONNECTOR AND METHOD FOR PRODUCTION THEREOF	TANAKA, MAMORU
<u>09171468</u>	<u>6124424</u>	150	10/19/1998	SELENIUM-CONTAINING TRANSPARENT OPTICAL MATERIAL	TANAKA, MAMORU
<u>09210539</u>	Not Issued	161	12/14/1998	FORMED ARTICLE OF BIODEGRADABLE RESIN	TANAKA, MAMORU
<u>09324766</u>	<u>6383622</u>	150	06/03/1999	A SLIDER FORMED OF FIBER- REINFORCED THERMOPLASTIC RESIN	TANAKA, MAMORU
<u>09570613</u>	<u>6303747</u>	150	05/12/2000	Selenium-containing transparent optical material	TANAKA, MAMORU
<u>09817161</u>	<u>6596841</u>	150	03/27/2001	POLYTHIOL, POLYMERIZABLE COMPOSITION, RESIN AND LENS, AND PROCESS FOR PREPARING THIOL COMPOUND	TANAKA, MAMORU
<u>09874584</u>	<u>6409047</u>	150	06/05/2001	TUBE SQUEEZER	TANAKA, MAMORU
<u>09934858</u>	<u>6482918</u>	150	08/23/2001	SELENIUM-CONTAINING TRANSPARENT OPTICAL	TANAKA, MAMORU

				MATERIAL	
09986627	Not Issued	161	11/09/2001	Slider formed of fiber-reinforced thermoplastic resin	TANAKA, MAMORU
10246405	6664364	150	09/19/2002	SELENIUM-CONTAINING TRANSPARENT OPTICAL MATERIAL	TANAKA, MAMORU
10316180	6770734	150	12/11/2002	POLYTHIOL COMPOUND	TANAKA, MAMORU
10442523	Not Issued	161	05/21/2003	Noiseless surface fastener member, noiseless surface fastener combined with the noiseless surface fastener member and product attached with the same noiseless surface fastener member or the same noiseless surface fastener	TANAKA, MAMORU
10455729	6770735	150	06/06/2003	PROCESS FOR PREPARING A THIOL COMPOUND	TANAKA, MAMORU
10509765	Not Issued	71	09/30/2004	Thiourethane-based optical material	TANAKA, MAMORU
10536474	Not Issued	20	05/25/2005	Fiber-made surface fastener reduced in unpleasant noise at peeling-off and its attaching product	TANAKA, MAMORU
10912468	Not Issued	71	08/04/2004	Flame-retardant molded article and fabric product	TANAKA, MAMORU

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	Last Name	First Name	
Search Another: Inventor	<input type="text" value="Tanaka"/>	<input type="text" value="Mamoru"/>	<input type="button" value="Search"/>

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Date: 6/21/2006

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**Inventor Name Search Result**

Your Search was:

Last Name = KUMA

First Name = SHIGETOSHI

Application#	Patent#	Status	Date Filed	Title	Inventor Name
09817161	6596841	150	03/27/2001	POLYTHIOL, POLYMERIZABLE COMPOSITION, RESIN AND LENS, AND PROCESS FOR PREPARING THIOL COMPOUND	KUMA, SHIGETOSHI
10316180	6770734	150	12/11/2002	POLYTHIOL COMPOUND	KUMA, SHIGETOSHI
10455729	6770735	150	06/06/2003	PROCESS FOR PREPARING A THIOL COMPOUND	KUMA, SHIGETOSHI
10509765	Not Issued	71	09/30/2004	Thiourethane-based optical material	KUMA, SHIGETOSHI
06283886	Not Issued	161	07/16/1981	VANE PUMP	KUMAZAKI, SHIGETOSHI
06293975	Not Issued	161	08/18/1981	VANE PUMP	KUMAZAKI, SHIGETOSHI
09909017	6557425	150	07/20/2001	TORQUE SENSOR	KUMAZAKI, SHIGETOSHI

Inventor Search Completed: No Records to Display.

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	<input type="text" value="Kuma"/>	<input type="text" value="Shigetoshi"/>	

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Day : Wednesday

Date: 6/21/2006
Time: 14:55:34**Inventor Name Search Result**

Your Search was:

Last Name = FUNAYA

First Name = MUNEHITO

Application#	Patent#	Status	Date Filed	Title	Inventor Name
10509765	Not Issued	71	09/30/2004	Thiourethane-based optical material	FUNAYA, MUNEHITO

Inventor Search Completed: No Records to Display.

Search Another: Inventor	Last Name	First Name	Search
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Day : Wednesday

Date: 6/21/2006

Time: 14:56:20

**PALM INTRANET****Inventor Name Search Result**

Your Search was:

Last Name = KOBAYASHI

First Name = SEIICHI

Application#	Patent#	Status	Date Filed	Title	Inventor Name
<u>06396184</u>	<u>4455316</u>	150	07/08/1982	POLYPRENYL ESTERS OF ACEMETHACINS AND ANTI-INFLAMMATORY METHOD OF USE THEREOF	KOBAYASHI, SEIICHI
<u>06609664</u>	<u>4576963</u>	150	05/14/1984	POLYPRENYL COMPOUNDS, PROCESS FOR THE PRODUCTION THEREOF AND MEDICINES CONTAINING SAME	KOBAYASHI, SEIICHI
<u>06667445</u>	<u>4589768</u>	150	11/01/1984	ORIGINAL TRANSFER APPARATUS	KOBAYASHI, SEIICHI
<u>06820488</u>	<u>4709079</u>	150	01/17/1986	POLYPRENYL COMPOUNDS, PROCESS FOR THE PRODUCTION THEREOF AND MEDICINES CONTAINING SAME	KOBAYASHI, SEIICHI
<u>06853167</u>	<u>4757349</u>	150	04/17/1986	CLEANING DEVICE AND PROCESS FOR USE IN IMAGE FORMING APPARATUS	KOBAYASHI, SEIICHI
<u>06856068</u>	<u>4833160</u>	150	04/23/1986	3-(3,5-DI-TERT-BUTYL-4-HYDROXY BENZYLIDENE)-2-PYRROLIDONE AND N-SUBSTITUTED DERIVATIVES THEREOF	KOBAYASHI, SEIICHI
<u>07528201</u>	<u>5140689</u>	150	05/23/1990	DATA RECOVERY SYSTEM AND METHOD OF DISTRIBUTED TRANSACTION PROCESSING SYSTEM	KOBAYASHI, SEIICHI
<u>07613248</u>	<u>5130980</u>	150	11/14/1990	DATA COMMUNICATION SYSTEM WITH PROTECTION OF ERROR PROPAGATION	KOBAYASHI, SEIICHI
<u>07614513</u>	<u>5283871</u>	250	11/16/1990	ROUTING SYSTEM FOR ACCESSING REMOTE NODE	KOBAYASHI, SEIICHI

				IN NETWORK FROM CRAFTSMAN'S TERMINAL	
<u>07697163</u>	5200949	150	05/08/1991	LINK CHANGEOVER CONTROL SYSTEM FOR LOCAL AREA NETWORK OF BROADCASTING ARRANGEMENT	KOBAYASHI, SEIICHI
<u>07776100</u>	Not Issued	161	10/11/1991	ANTI-ENDOTOXIN COMPOUNDS AND RELATED MOLECULES AND METHODS	KOBAYASHI, SEIICHI
<u>07924454</u>	5283312	150	08/04/1992	MERCAPTO COMPOUND, ITS PREPARATION PROCESS, AND SULFUR-CONTAINING URETHANE RESINS AND LENSES USING THE SAME	KOBAYASHI, SEIICHI
<u>07935050</u>	5530113	150	08/25/1992	ANTI-ENDOTOXIN COMPOUNDS	KOBAYASHI, SEIICHI
<u>07972509</u>	5306085	250	11/06/1992	MULTIPLEX WRITING IMPLEMENT WITH ERASER	KOBAYASHI, SEIICHI
<u>08095346</u>	5306799	150	07/23/1993	HIGH REFRACTIVE INDEX PLASTIC LENS AND COMPOSITION THEREFOR	KOBAYASHI, SEIICHI
<u>08169708</u>	5352758	150	12/20/1993	MERCAPTO COMPOUND, ITS PREPARATION PROCESS, AND SULFUR-CONTAINING URETHANE RESINS AND LENSES USING THE SAME	KOBAYASHI, SEIICHI
<u>08213942</u>	Not Issued	161	03/16/1994	BALL-POINT PEN	KOBAYASHI, SEIICHI
<u>08262913</u>	Not Issued	166	06/21/1994	UNIVERSAL LINK CONFIGURATOR FOR PHYSICAL LINK CONFIGURATIONS IN A DATA LINK NODE	KOBAYASHI, SEIICHI
<u>08328829</u>	Not Issued	161	10/25/1994	MULTIPLEX WRITING IMPLEMENT	KOBAYASHI, SEIICHI
<u>08334182</u>	5655847	150	11/03/1994	BALL-POINT PEN	KOBAYASHI, SEIICHI
<u>08352059</u>	Not Issued	166	11/30/1994	COMPOSITE WRITING INSTRUMENT	KOBAYASHI, SEIICHI
<u>08413113</u>	5693738	150	03/29/1995	COMPOSITION FOR URETHANE-BASE PLASTIC LENS, URETHANE-BASE PLASTIC LENS OBTAINED FROM THE COMPOSITION,	KOBAYASHI, SEIICHI

				AND PROCESS FOR THE PRODUCTION OF THE PLASTIC LENS	
<u>08461675</u>	<u>5750664</u>	150	06/05/1995	SUBSTITUTED LIPOSACCHARIDES USEFUL IN THE TREATMENT AND PREVENTION OF ENDOTOXEMIA	KOBAYASHI, SEIICHI
<u>08461677</u>	<u>5681824</u>	150	06/05/1995	SUBSTITUTED LIPOSACCHARIDES USEFUL IN THE TREATMENT AND PREVENTION OF ENDOTOXEMIA	KOBAYASHI, SEIICHI
<u>08472820</u>	<u>5843918</u>	150	06/07/1995	ANTI-ENDOTOXIN COMPOUNDS	KOBAYASHI, SEIICHI
<u>08475492</u>	<u>5756718</u>	150	06/07/1995	ANTI-ENDOTOXIN COMPOUNDS	KOBAYASHI, SEIICHI
<u>08477180</u>	Not Issued	168	06/07/1995	ANTI-ENDOTOXIN COMPOUNDS	KOBAYASHI, SEIICHI
<u>08479162</u>	Not Issued	168	06/07/1995	ANTI-ENDOTOXIN COMPOUNDS	KOBAYASHI, SEIICHI
<u>08484525</u>	<u>5612476</u>	150	06/07/1995	ANTI-ENDOTOXIN COMPOUNDS	KOBAYASHI, SEIICHI
<u>08501077</u>	<u>5711626</u>	150	08/04/1995	BALL-POINT PEN WITH BACKFLOW STOP	KOBAYASHI, SEIICHI
<u>08529581</u>	Not Issued	161	09/18/1995	MULTIPLEX WRITING IMPLEMENT	KOBAYASHI, SEIICHI
<u>08529585</u>	<u>5642953</u>	150	09/18/1995	MULTIPLEX WRITING IMPLEMENT	KOBAYASHI, SEIICHI
<u>08550352</u>	<u>5652321</u>	150	10/30/1995	COMPOSITION FOR OPTICAL MATERIALS AND USE THEREOF	KOBAYASHI, SEIICHI
<u>08563557</u>	<u>5627969</u>	150	11/28/1995	UNIVERSAL LINK CONFIGURATOR FOR PHYSICAL LINK CONFIGURATIONS IN A DATA LINK NODE	KOBAYASHI, SEIICHI
<u>08601246</u>	<u>5678942</u>	250	02/14/1996	BALL-POINT PEN	KOBAYASHI, SEIICHI
<u>08613896</u>	<u>5709493</u>	150	03/11/1996	BALLPOINT PEN HAVING A BACKFLOW PREVENTING MECHANISM	KOBAYASHI, SEIICHI
<u>08658656</u>	<u>5935938</u>	150	06/05/1996	SUBSTITUTED LIPOSACCHARIDES USEFUL IN THE TREATMENT AND	KOBAYASHI, SEIICHI

				PREVENTION OF ENDOTOXEMIA	
<u>08693619</u>	<u>5899618</u>	150	08/07/1996	MULTIPLEX WRITING IMPLEMENT	KOBAYASHI, SEIICHI
<u>08757870</u>	<u>5786678</u>	150	11/27/1996	METHOD AND APPARATUS FOR AUTOMATICALLY ADJUSTING A GAIN OF A SERVOMECHANISM	KOBAYASHI, SEIICHI
<u>08821407</u>	<u>5890825</u>	150	03/21/1997	COMPOSITE WRITING INSTRUMENT	KOBAYASHI, SEIICHI
<u>08822687</u>	<u>5756766</u>	150	03/24/1997	COMPOSITION FOR OPTICAL MATERIALS AND USE THEREOF	KOBAYASHI, SEIICHI
<u>08831534</u>	<u>5908876</u>	150	04/07/1997	OPTICAL RESIN COMPOSITION COMPRISING A THIOURETHANE PREPOLYMER AND USE THEREOF	KOBAYASHI, SEIICHI
<u>08854916</u>	<u>5901320</u>	150	05/13/1997	COMMUNICATION SYSTEM CONFIGURED TO ENHANCE SYSTEM RELIABILITY USING SPECIAL PROGRAM VERSION MANAGEMENT	KOBAYASHI, SEIICHI
<u>08861024</u>	<u>5916987</u>	150	05/21/1997	THIOL AND SULFUR- CONTAINING O-(METH) ACRYLATE COMPOUNDS AND USE THEREOF	KOBAYASHI, SEIICHI
<u>08927361</u>	<u>5915871</u>	150	09/09/1997	BALL-POINT PEN CAP	KOBAYASHI, SEIICHI
<u>08943074</u>	<u>5909975</u>	250	10/01/1997	MULTIPLEX WRITING IMPLEMENT	KOBAYASHI, SEIICHI
<u>08981770</u>	<u>5977108</u>	150	12/30/1997	HETEROCYCLIC CARBOXYLIC ACID DERIVATIVES AND DRUGS CONTAINING THE SAME	KOBAYASHI, SEIICHI
<u>09043677</u>	Not Issued	161	03/25/1998	ACRIDONE COMPOUNDS	KOBAYASHI, SEIICHI
<u>09125451</u>	<u>6333322</u>	150	09/21/1998	NITROGENOUS TRICYCLIC COMPOUNDS AND DRUGS COMPRISING THE SAME	KOBAYASHI, SEIICHI
<u>09125522</u>	<u>6121309</u>	150	08/20/1998	FUSED-RING CARBOXYLIC ACID DERIVATIVES	KOBAYASHI, SEIICHI

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